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## 1 Conducted output power

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Antenna<br>Gain<br>(dBi) | Antenna<br>Gain<br>(dBd) | ERP<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|--------------------------|--------------------------|--------------|----------------|---------|
| Band12 | 1.4                | 23017         | 1          | #0             | QPSK       | 22.05          | -2.85                    | -5                       | 17.05        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QPSK       | 22.25          | -2.85                    | -5                       | 17.25        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QPSK       | 22.08          | -2.85                    | -5                       | 17.08        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #0             | QPSK       | 22.19          | -2.85                    | -5                       | 17.19        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QPSK       | 22.20          | -2.85                    | -5                       | 17.2         | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QPSK       | 22.22          | -2.85                    | -5                       | 17.22        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 21.15          | -2.85                    | -5                       | 16.15        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #0             | QAM16      | 21.32          | -2.85                    | -5                       | 16.32        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QAM16      | 21.40          | -2.85                    | -5                       | 16.4         | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QAM16      | 21.26          | -2.85                    | -5                       | 16.26        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #0             | QAM16      | 21.39          | -2.85                    | -5                       | 16.39        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QAM16      | 21.41          | -2.85                    | -5                       | 16.41        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QAM16      | 21.42          | -2.85                    | -5                       | 16.42        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QAM16      | 20.29          | -2.85                    | -5                       | 15.29        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 22.26          | -2.85                    | -5                       | 17.26        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QPSK       | 22.43          | -2.85                    | -5                       | 17.43        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QPSK       | 22.29          | -2.85                    | -5                       | 17.29        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #0             | QPSK       | 22.32          | -2.85                    | -5                       | 17.32        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QPSK       | 22.29          | -2.85                    | -5                       | 17.29        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QPSK       | 22.29          | -2.85                    | -5                       | 17.29        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 21.31          | -2.85                    | -5                       | 16.31        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QAM16      | 21.08          | -2.85                    | -5                       | 16.08        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QAM16      | 21.24          | -2.85                    | -5                       | 16.24        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QAM16      | 21.06          | -2.85                    | -5                       | 16.06        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #0             | QAM16      | 21.42          | -2.85                    | -5                       | 16.42        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QAM16      | 21.46          | -2.85                    | -5                       | 16.46        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QAM16      | 21.48          | -2.85                    | -5                       | 16.48        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QAM16      | 20.47          | -2.85                    | -5                       | 15.47        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #0             | QPSK       | 21.98          | -2.85                    | -5                       | 16.98        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QPSK       | 22.17          | -2.85                    | -5                       | 17.17        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Max           | QPSK       | 21.94          | -2.85                    | -5                       | 16.94        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 3          | #0             | QPSK       | 22.14          | -2.85                    | -5                       | 17.14        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 3          | #Mid           | QPSK       | 22.11          | -2.85                    | -5                       | 17.11        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 3          | #Max           | QPSK       | 22.11          | -2.85                    | -5                       | 17.11        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 21.07          | -2.85                    | -5                       | 16.07        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #0             | QAM16      | 21.23          | -2.85                    | -5                       | 16.23        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QAM16      | 21.31          | -2.85                    | -5                       | 16.31        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Max           | QAM16      | 21.21          | -2.85                    | -5                       | 16.21        | 34.77          | PASS    |

|        |     |       |    |      |       |       |       |    |       |       |      |
|--------|-----|-------|----|------|-------|-------|-------|----|-------|-------|------|
| Band12 | 1.4 | 23173 | 3  | #0   | QAM16 | 21.34 | -2.85 | -5 | 16.34 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Mid | QAM16 | 21.36 | -2.85 | -5 | 16.36 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Max | QAM16 | 21.29 | -2.85 | -5 | 16.29 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0   | QAM16 | 20.25 | -2.85 | -5 | 15.25 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | QPSK  | 22.09 | -2.85 | -5 | 17.09 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 22.44 | -2.85 | -5 | 17.44 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | QPSK  | 22.18 | -2.85 | -5 | 17.18 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | QPSK  | 21.19 | -2.85 | -5 | 16.19 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 21.23 | -2.85 | -5 | 16.23 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | QPSK  | 21.23 | -2.85 | -5 | 16.23 | 34.77 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | QPSK  | 21.15 | -2.85 | -5 | 16.15 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | QAM16 | 21.53 | -2.85 | -5 | 16.53 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | QAM16 | 21.88 | -2.85 | -5 | 16.88 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | QAM16 | 21.62 | -2.85 | -5 | 16.62 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | QAM16 | 20.22 | -2.85 | -5 | 15.22 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | QAM16 | 20.30 | -2.85 | -5 | 15.3  | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | QAM16 | 20.25 | -2.85 | -5 | 15.25 | 34.77 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | QAM16 | 20.21 | -2.85 | -5 | 15.21 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | QPSK  | 22.27 | -2.85 | -5 | 17.27 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 22.54 | -2.85 | -5 | 17.54 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | QPSK  | 22.16 | -2.85 | -5 | 17.16 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | QPSK  | 21.35 | -2.85 | -5 | 16.35 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 21.36 | -2.85 | -5 | 16.36 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | QPSK  | 21.34 | -2.85 | -5 | 16.34 | 34.77 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | QPSK  | 21.31 | -2.85 | -5 | 16.31 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | QAM16 | 21.71 | -2.85 | -5 | 16.71 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | QAM16 | 22.04 | -2.85 | -5 | 17.04 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | QAM16 | 21.66 | -2.85 | -5 | 16.66 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | QAM16 | 20.37 | -2.85 | -5 | 15.37 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | QAM16 | 20.39 | -2.85 | -5 | 15.39 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | QAM16 | 20.32 | -2.85 | -5 | 15.32 | 34.77 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | QAM16 | 20.32 | -2.85 | -5 | 15.32 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | QPSK  | 22.12 | -2.85 | -5 | 17.12 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 22.40 | -2.85 | -5 | 17.4  | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Max | QPSK  | 22.03 | -2.85 | -5 | 17.03 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #0   | QPSK  | 21.17 | -2.85 | -5 | 16.17 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 21.16 | -2.85 | -5 | 16.16 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #Max | QPSK  | 21.12 | -2.85 | -5 | 16.12 | 34.77 | PASS |
| Band12 | 3   | 23165 | 15 | #0   | QPSK  | 21.08 | -2.85 | -5 | 16.08 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | QAM16 | 21.33 | -2.85 | -5 | 16.33 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | QAM16 | 21.59 | -2.85 | -5 | 16.59 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Max | QAM16 | 21.22 | -2.85 | -5 | 16.22 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #0   | QAM16 | 20.19 | -2.85 | -5 | 15.19 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #Mid | QAM16 | 20.17 | -2.85 | -5 | 15.17 | 34.77 | PASS |

|        |   |       |    |      |       |       |       |    |       |       |      |
|--------|---|-------|----|------|-------|-------|-------|----|-------|-------|------|
| Band12 | 3 | 23165 | 8  | #Max | QAM16 | 20.11 | -2.85 | -5 | 15.11 | 34.77 | PASS |
| Band12 | 3 | 23165 | 15 | #0   | QAM16 | 20.08 | -2.85 | -5 | 15.08 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | QPSK  | 22.06 | -2.85 | -5 | 17.06 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 22.67 | -2.85 | -5 | 17.67 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | QPSK  | 22.22 | -2.85 | -5 | 17.22 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | QPSK  | 21.29 | -2.85 | -5 | 16.29 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 21.30 | -2.85 | -5 | 16.3  | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | QPSK  | 21.29 | -2.85 | -5 | 16.29 | 34.77 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | QPSK  | 21.28 | -2.85 | -5 | 16.28 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | QAM16 | 21.41 | -2.85 | -5 | 16.41 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | QAM16 | 21.92 | -2.85 | -5 | 16.92 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | QAM16 | 21.51 | -2.85 | -5 | 16.51 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | QAM16 | 20.21 | -2.85 | -5 | 15.21 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | QAM16 | 20.26 | -2.85 | -5 | 15.26 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | QAM16 | 20.27 | -2.85 | -5 | 15.27 | 34.77 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | QAM16 | 20.28 | -2.85 | -5 | 15.28 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | QPSK  | 22.15 | -2.85 | -5 | 17.15 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 22.55 | -2.85 | -5 | 17.55 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | QPSK  | 22.12 | -2.85 | -5 | 17.12 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | QPSK  | 21.46 | -2.85 | -5 | 16.46 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 21.38 | -2.85 | -5 | 16.38 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | QPSK  | 21.30 | -2.85 | -5 | 16.3  | 34.77 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | QPSK  | 21.34 | -2.85 | -5 | 16.34 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | QAM16 | 21.51 | -2.85 | -5 | 16.51 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | QAM16 | 21.91 | -2.85 | -5 | 16.91 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | QAM16 | 21.49 | -2.85 | -5 | 16.49 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | QAM16 | 20.45 | -2.85 | -5 | 15.45 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | QAM16 | 20.39 | -2.85 | -5 | 15.39 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | QAM16 | 20.30 | -2.85 | -5 | 15.3  | 34.77 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | QAM16 | 20.31 | -2.85 | -5 | 15.31 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | QPSK  | 22.08 | -2.85 | -5 | 17.08 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 22.49 | -2.85 | -5 | 17.49 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | QPSK  | 21.98 | -2.85 | -5 | 16.98 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #0   | QPSK  | 21.21 | -2.85 | -5 | 16.21 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 21.25 | -2.85 | -5 | 16.25 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Max | QPSK  | 21.11 | -2.85 | -5 | 16.11 | 34.77 | PASS |
| Band12 | 5 | 23155 | 25 | #0   | QPSK  | 21.22 | -2.85 | -5 | 16.22 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | QAM16 | 21.65 | -2.85 | -5 | 16.65 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | QAM16 | 21.95 | -2.85 | -5 | 16.95 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | QAM16 | 21.47 | -2.85 | -5 | 16.47 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #0   | QAM16 | 20.22 | -2.85 | -5 | 15.22 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Mid | QAM16 | 20.23 | -2.85 | -5 | 15.23 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Max | QAM16 | 20.09 | -2.85 | -5 | 15.09 | 34.77 | PASS |
| Band12 | 5 | 23155 | 25 | #0   | QAM16 | 20.15 | -2.85 | -5 | 15.15 | 34.77 | PASS |

|        |    |       |    |      |       |       |       |    |       |       |      |
|--------|----|-------|----|------|-------|-------|-------|----|-------|-------|------|
| Band12 | 10 | 23060 | 1  | #0   | QPSK  | 22.11 | -2.85 | -5 | 17.11 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 22.39 | -2.85 | -5 | 17.39 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | QPSK  | 22.26 | -2.85 | -5 | 17.26 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | QPSK  | 21.32 | -2.85 | -5 | 16.32 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 21.30 | -2.85 | -5 | 16.3  | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | QPSK  | 21.26 | -2.85 | -5 | 16.26 | 34.77 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | QPSK  | 21.29 | -2.85 | -5 | 16.29 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | QAM16 | 21.33 | -2.85 | -5 | 16.33 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | QAM16 | 21.55 | -2.85 | -5 | 16.55 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | QAM16 | 21.49 | -2.85 | -5 | 16.49 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | QAM16 | 20.30 | -2.85 | -5 | 15.3  | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | QAM16 | 20.32 | -2.85 | -5 | 15.32 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | QAM16 | 20.26 | -2.85 | -5 | 15.26 | 34.77 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | QAM16 | 20.30 | -2.85 | -5 | 15.3  | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | QPSK  | 22.32 | -2.85 | -5 | 17.32 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 22.48 | -2.85 | -5 | 17.48 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | QPSK  | 22.26 | -2.85 | -5 | 17.26 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | QPSK  | 21.42 | -2.85 | -5 | 16.42 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 21.33 | -2.85 | -5 | 16.33 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | QPSK  | 21.28 | -2.85 | -5 | 16.28 | 34.77 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | QPSK  | 21.39 | -2.85 | -5 | 16.39 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | QAM16 | 21.17 | -2.85 | -5 | 16.17 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | QAM16 | 21.28 | -2.85 | -5 | 16.28 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | QAM16 | 21.10 | -2.85 | -5 | 16.1  | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | QAM16 | 20.45 | -2.85 | -5 | 15.45 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | QAM16 | 20.37 | -2.85 | -5 | 15.37 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | QAM16 | 20.30 | -2.85 | -5 | 15.3  | 34.77 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | QAM16 | 20.33 | -2.85 | -5 | 15.33 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | QPSK  | 22.26 | -2.85 | -5 | 17.26 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 22.24 | -2.85 | -5 | 17.24 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | QPSK  | 22.03 | -2.85 | -5 | 17.03 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | QPSK  | 21.42 | -2.85 | -5 | 16.42 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 21.30 | -2.85 | -5 | 16.3  | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | QPSK  | 21.21 | -2.85 | -5 | 16.21 | 34.77 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | QPSK  | 21.31 | -2.85 | -5 | 16.31 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | QAM16 | 21.71 | -2.85 | -5 | 16.71 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | QAM16 | 21.71 | -2.85 | -5 | 16.71 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | QAM16 | 21.44 | -2.85 | -5 | 16.44 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | QAM16 | 20.44 | -2.85 | -5 | 15.44 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Mid | QAM16 | 20.31 | -2.85 | -5 | 15.31 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | QAM16 | 20.21 | -2.85 | -5 | 15.21 | 34.77 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | QAM16 | 20.30 | -2.85 | -5 | 15.3  | 34.77 | PASS |

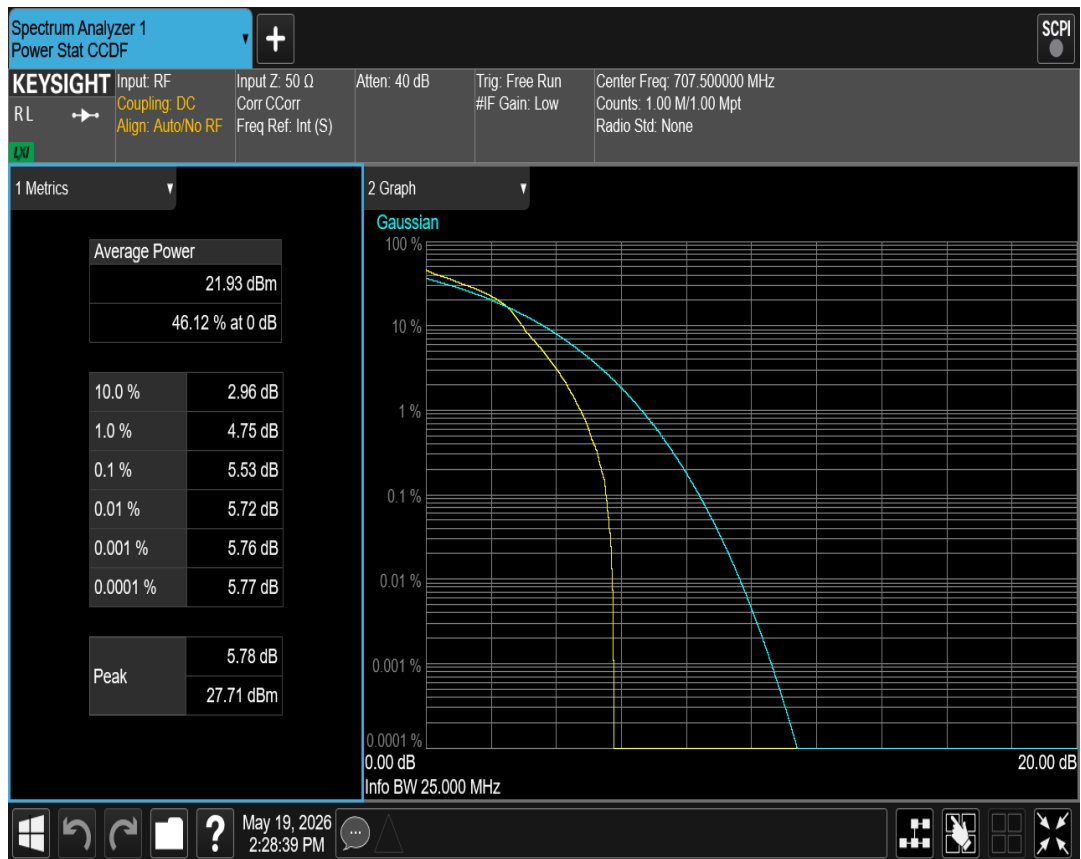
## 2 Frequency stability

| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>Result(Hz)</i> | <i>Result<br/>(ppm)</i> | <i>Low<br/>Limit<br/>(ppm)</i> | <i>high<br/>Limit<br/>(ppm)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|-------------------|-------------------------|--------------------------------|---------------------------------|----------------|
| Band12      | 10                         | 23060                 | 50                 | #0                     | QPSK              | -6.40             | -0.00909                | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QAM16             | -8.41             | -0.01195                | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QPSK              | -9.11             | -0.01288                | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QAM16             | -4.89             | -0.00691                | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QPSK              | -7.18             | -0.01010                | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QAM16             | -4.62             | -0.00650                | -2.5                           | 2.5                             | PASS           |

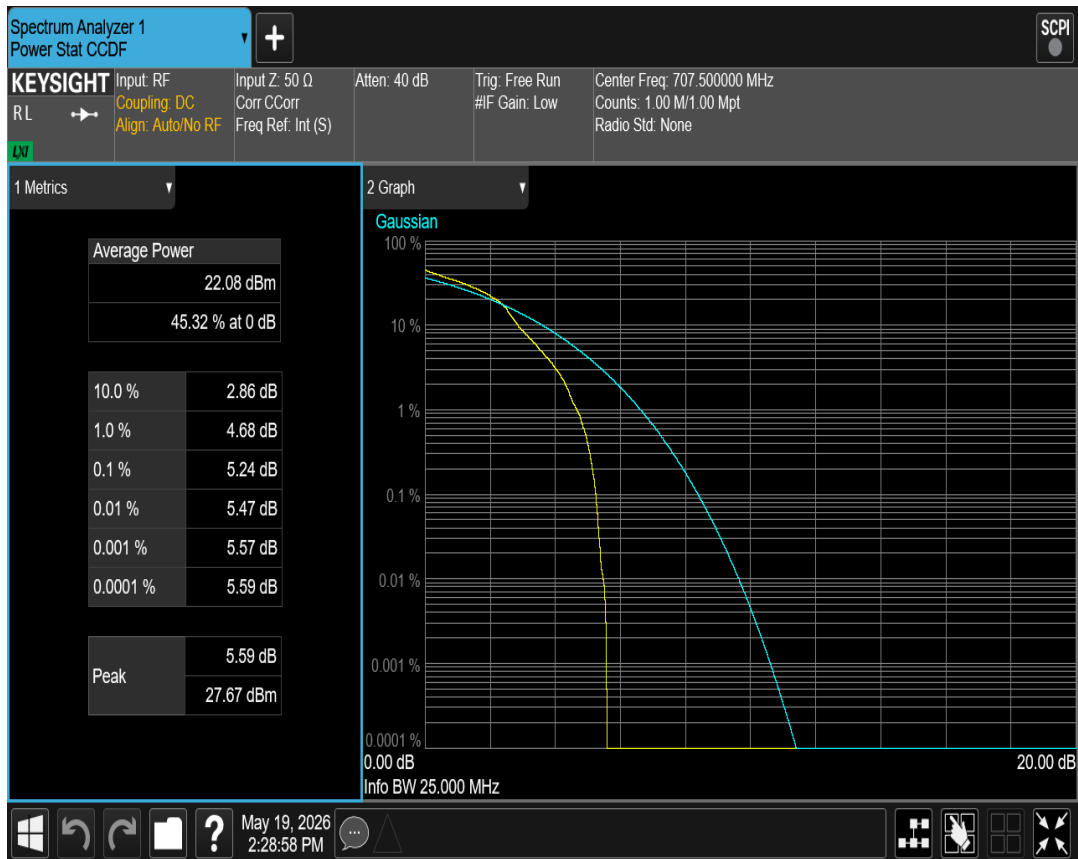
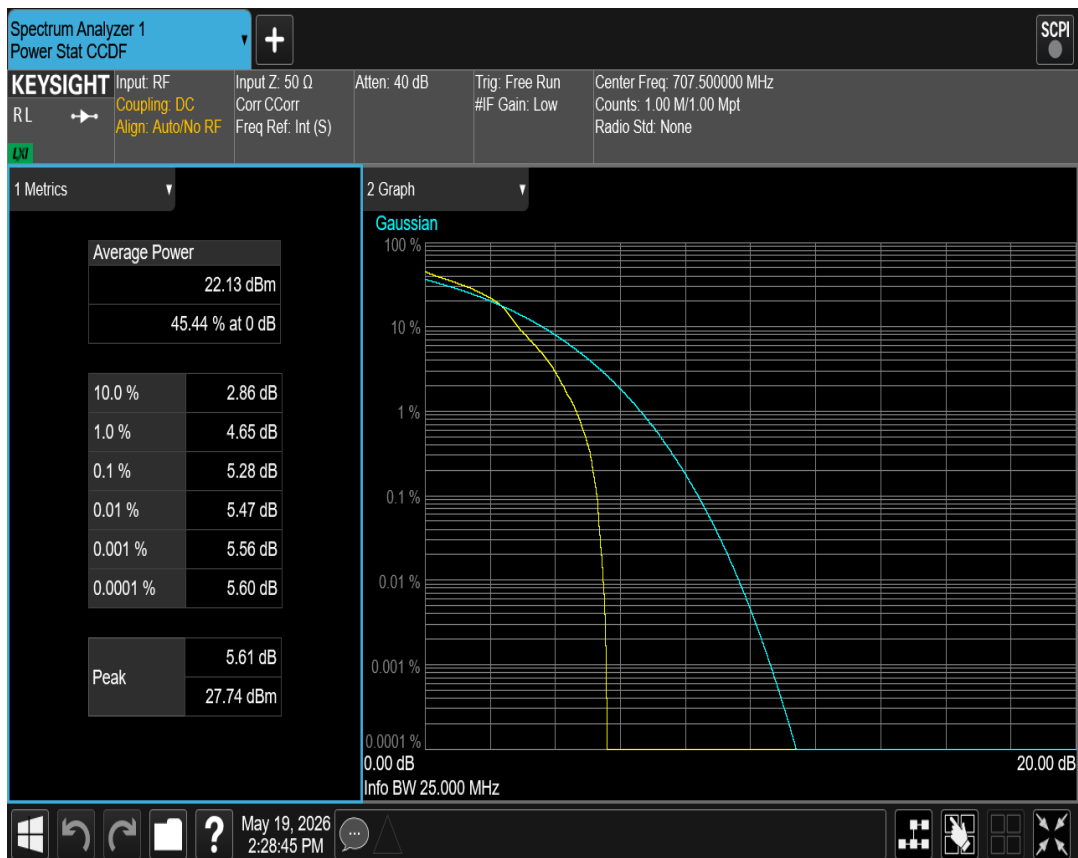
### 3 Peak-to-Average Ratio

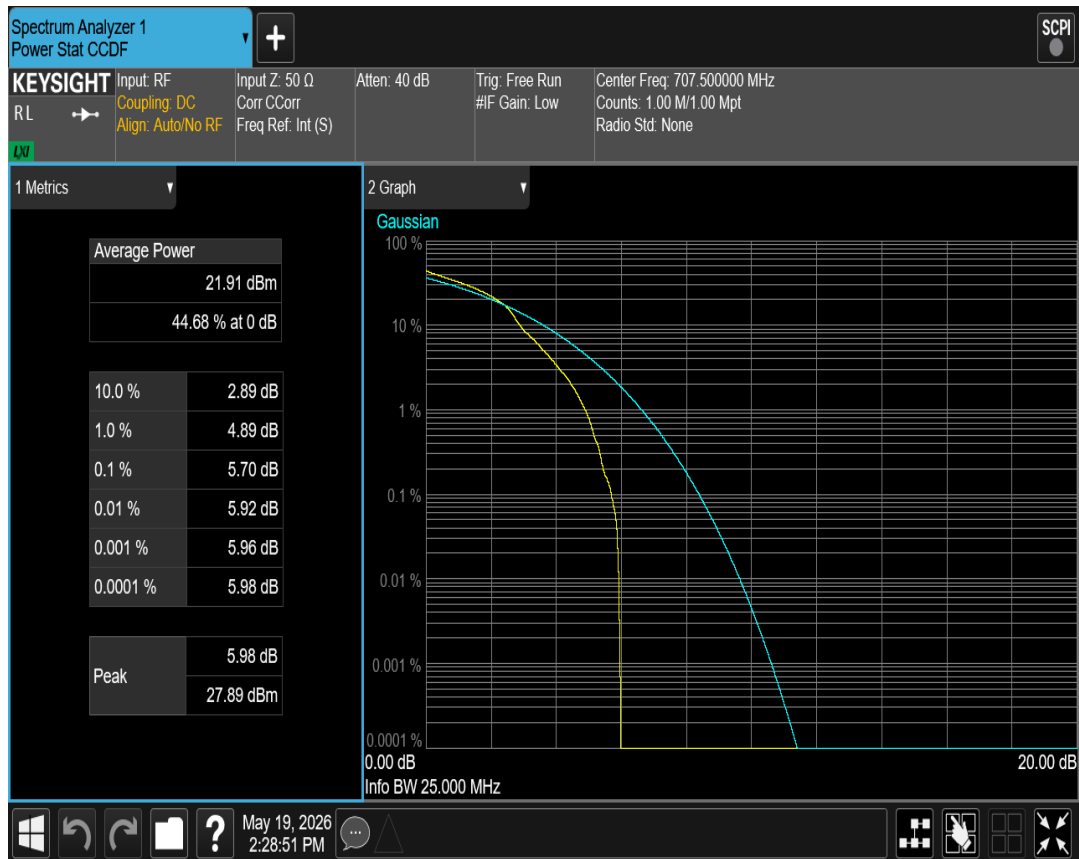
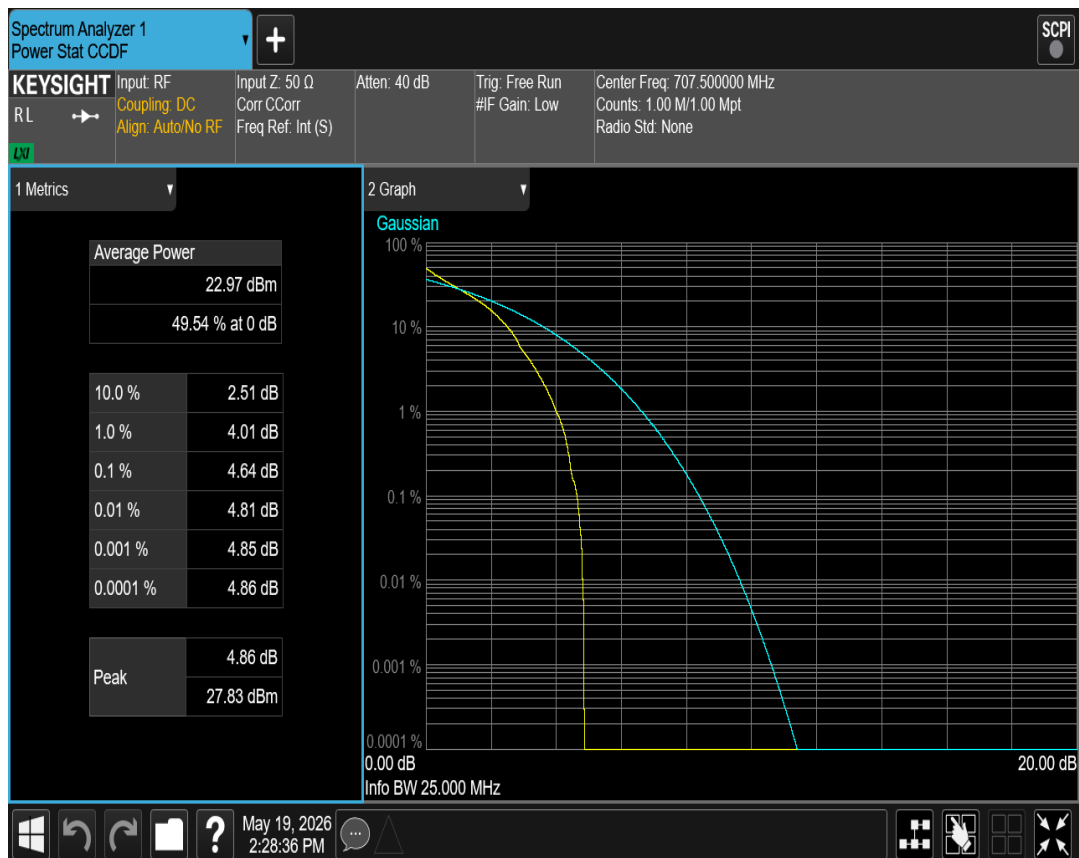
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high<br>Limit<br>(dB) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|-----------------------|---------|
| Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 4.64           | 13                    | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QAM16      | 5.53           | 13                    | PASS    |
| Band12 | 3                  | 23095         | 1          | #0             | QPSK       | 4.48           | 13                    | PASS    |
| Band12 | 3                  | 23095         | 1          | #0             | QAM16      | 5.28           | 13                    | PASS    |
| Band12 | 5                  | 23095         | 1          | #0             | QPSK       | 4.96           | 13                    | PASS    |
| Band12 | 5                  | 23095         | 1          | #0             | QAM16      | 5.70           | 13                    | PASS    |
| Band12 | 10                 | 23095         | 1          | #0             | QPSK       | 4.59           | 13                    | PASS    |
| Band12 | 10                 | 23095         | 1          | #0             | QAM16      | 5.24           | 13                    | PASS    |

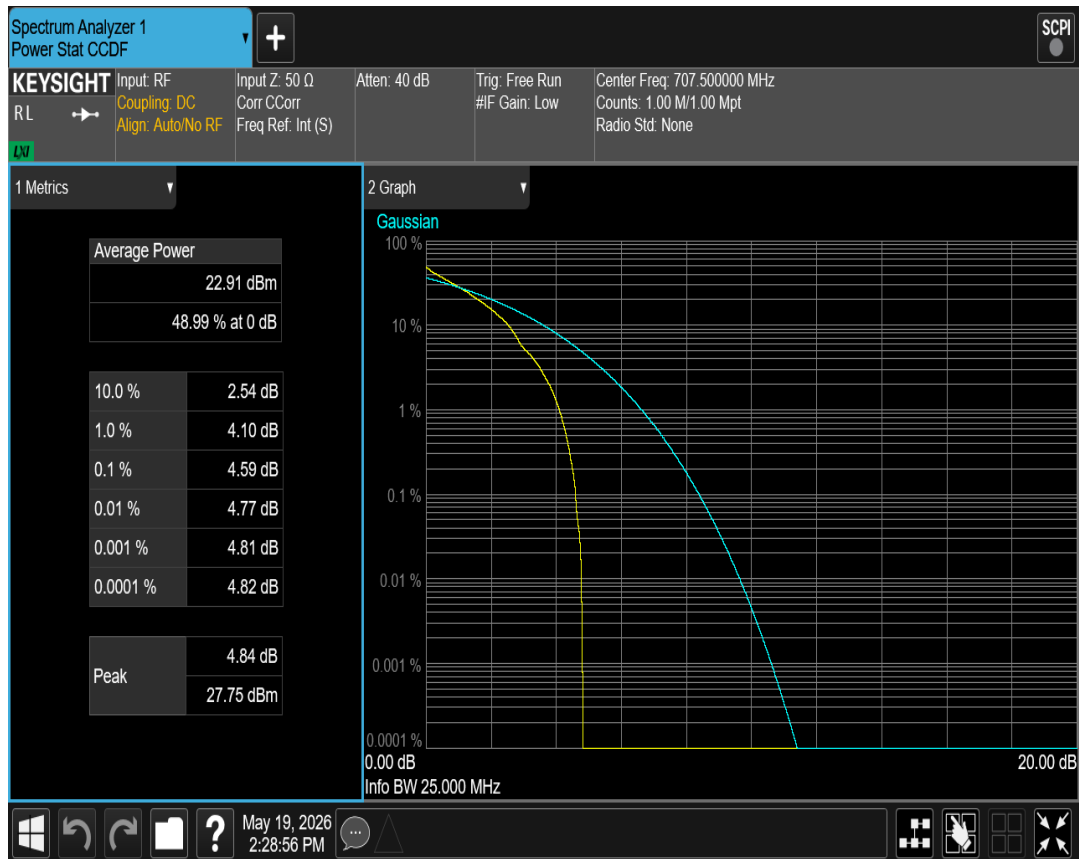
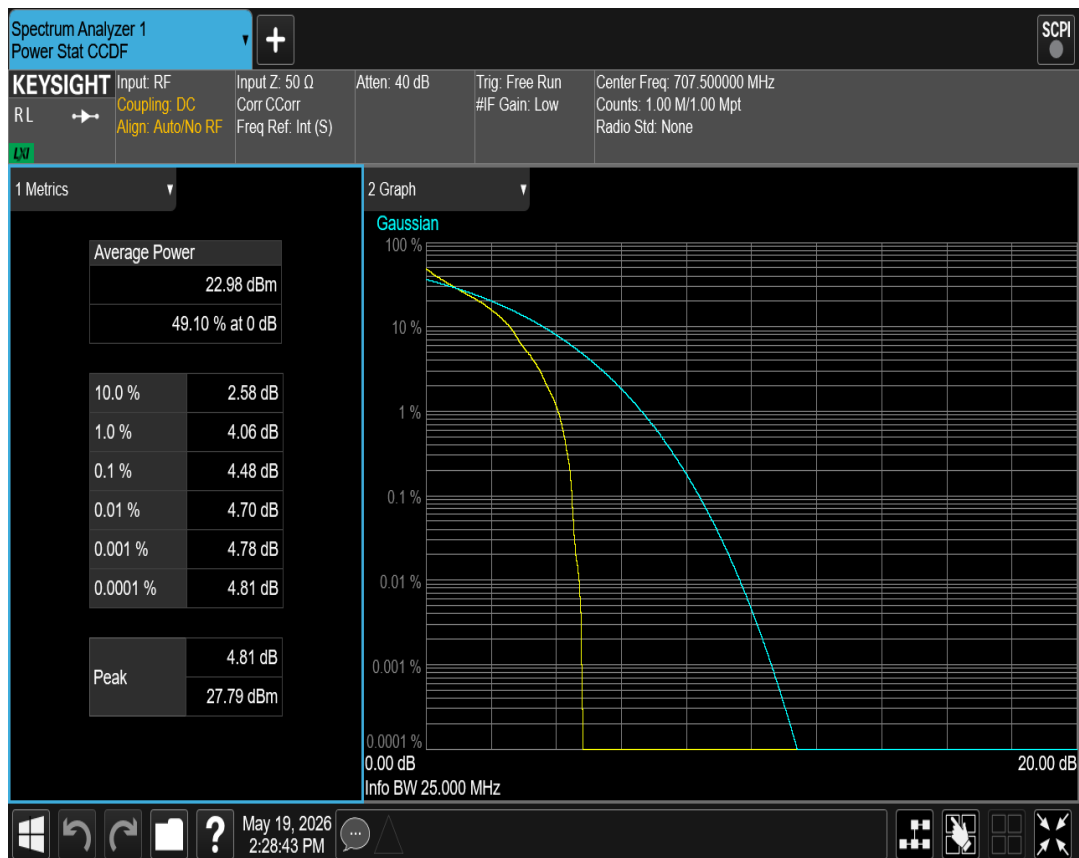
**Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0**

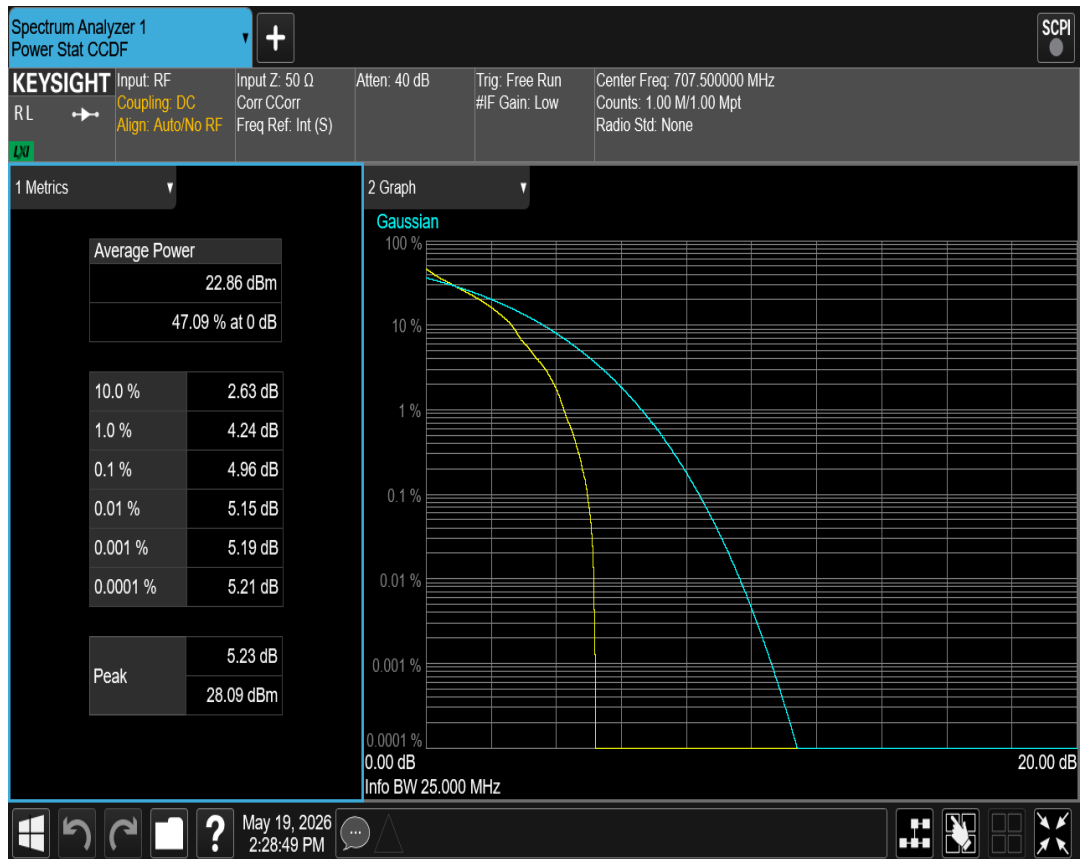


**Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0**

**Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0****Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0**

**Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0****Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0**

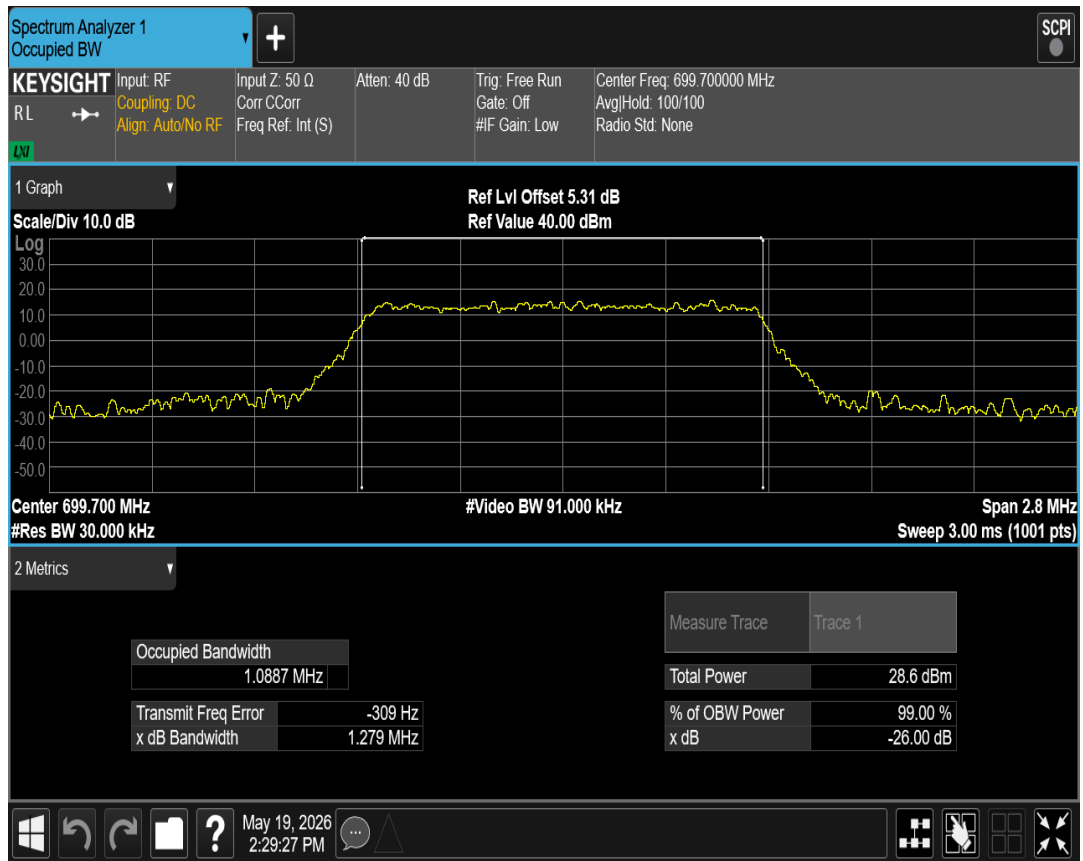
**Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0****Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0**



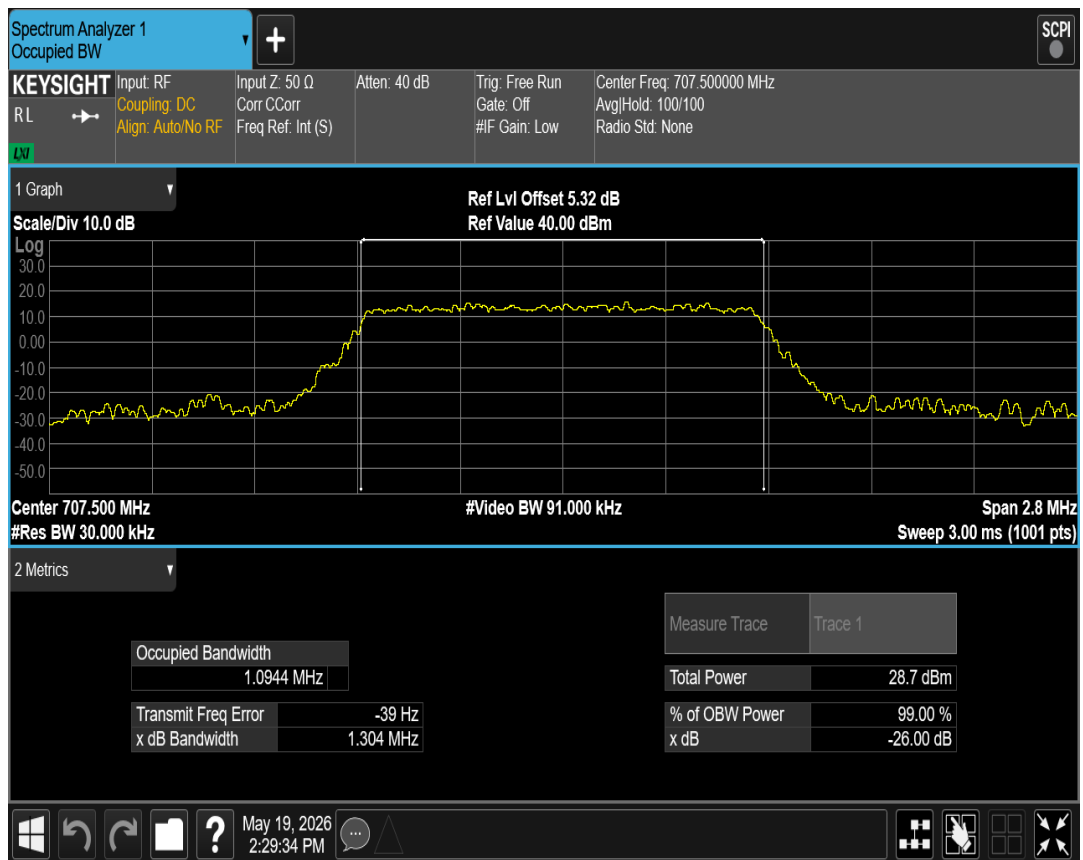
## 4 Occupied bandwidth

| <b>Band</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Size</b> | <b>RB<br/>Position</b> | <b>Modulation</b> | <b>99%<br/>OBW<br/>(MHz)</b> | <b>-26dB<br/>EBW<br/>(MHz)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|------------------------------|--------------------------------|----------------|
| Band12      | 1.4                        | 23017                 | 6                  | #0                     | QPSK              | 1.098                        | 1.278                          | PASS           |
| Band12      | 1.4                        | 23017                 | 6                  | #0                     | QAM16             | 1.089                        | 1.279                          | PASS           |
| Band12      | 1.4                        | 23095                 | 6                  | #0                     | QPSK              | 1.087                        | 1.280                          | PASS           |
| Band12      | 1.4                        | 23095                 | 6                  | #0                     | QAM16             | 1.094                        | 1.304                          | PASS           |
| Band12      | 1.4                        | 23173                 | 6                  | #0                     | QPSK              | 1.096                        | 1.282                          | PASS           |
| Band12      | 1.4                        | 23173                 | 6                  | #0                     | QAM16             | 1.087                        | 1.271                          | PASS           |
| Band12      | 3                          | 23025                 | 15                 | #0                     | QPSK              | 2.679                        | 2.909                          | PASS           |
| Band12      | 3                          | 23025                 | 15                 | #0                     | QAM16             | 2.682                        | 2.929                          | PASS           |
| Band12      | 3                          | 23095                 | 15                 | #0                     | QPSK              | 2.709                        | 2.939                          | PASS           |
| Band12      | 3                          | 23095                 | 15                 | #0                     | QAM16             | 2.691                        | 2.927                          | PASS           |
| Band12      | 3                          | 23165                 | 15                 | #0                     | QPSK              | 2.697                        | 2.906                          | PASS           |
| Band12      | 3                          | 23165                 | 15                 | #0                     | QAM16             | 2.686                        | 2.945                          | PASS           |
| Band12      | 5                          | 23035                 | 25                 | #0                     | QPSK              | 4.513                        | 5.134                          | PASS           |
| Band12      | 5                          | 23035                 | 25                 | #0                     | QAM16             | 4.525                        | 4.973                          | PASS           |
| Band12      | 5                          | 23095                 | 25                 | #0                     | QPSK              | 4.530                        | 5.056                          | PASS           |
| Band12      | 5                          | 23095                 | 25                 | #0                     | QAM16             | 4.515                        | 5.110                          | PASS           |
| Band12      | 5                          | 23155                 | 25                 | #0                     | QPSK              | 4.526                        | 5.114                          | PASS           |
| Band12      | 5                          | 23155                 | 25                 | #0                     | QAM16             | 4.528                        | 5.169                          | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QPSK              | 9.025                        | 10.068                         | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QAM16             | 9.007                        | 9.966                          | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QPSK              | 8.998                        | 9.839                          | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QAM16             | 8.998                        | 9.773                          | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QPSK              | 8.998                        | 10.032                         | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QAM16             | 9.006                        | 9.939                          | PASS           |

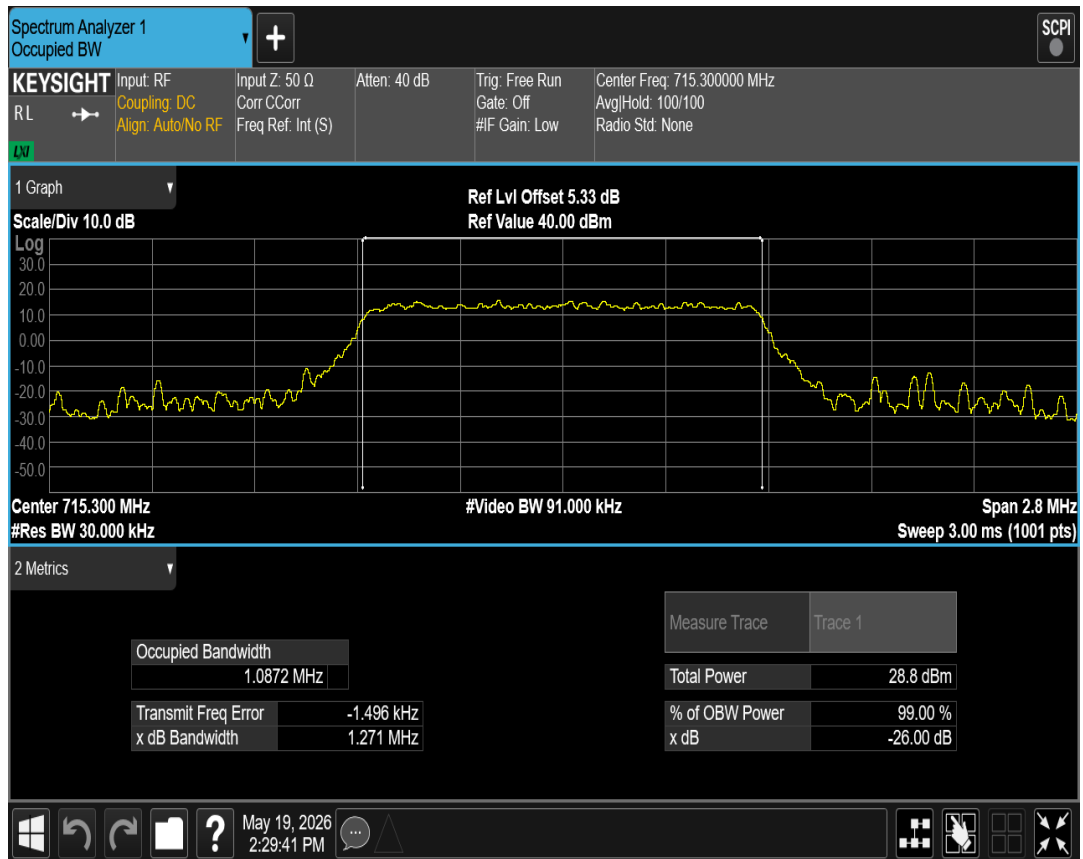
**Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0**



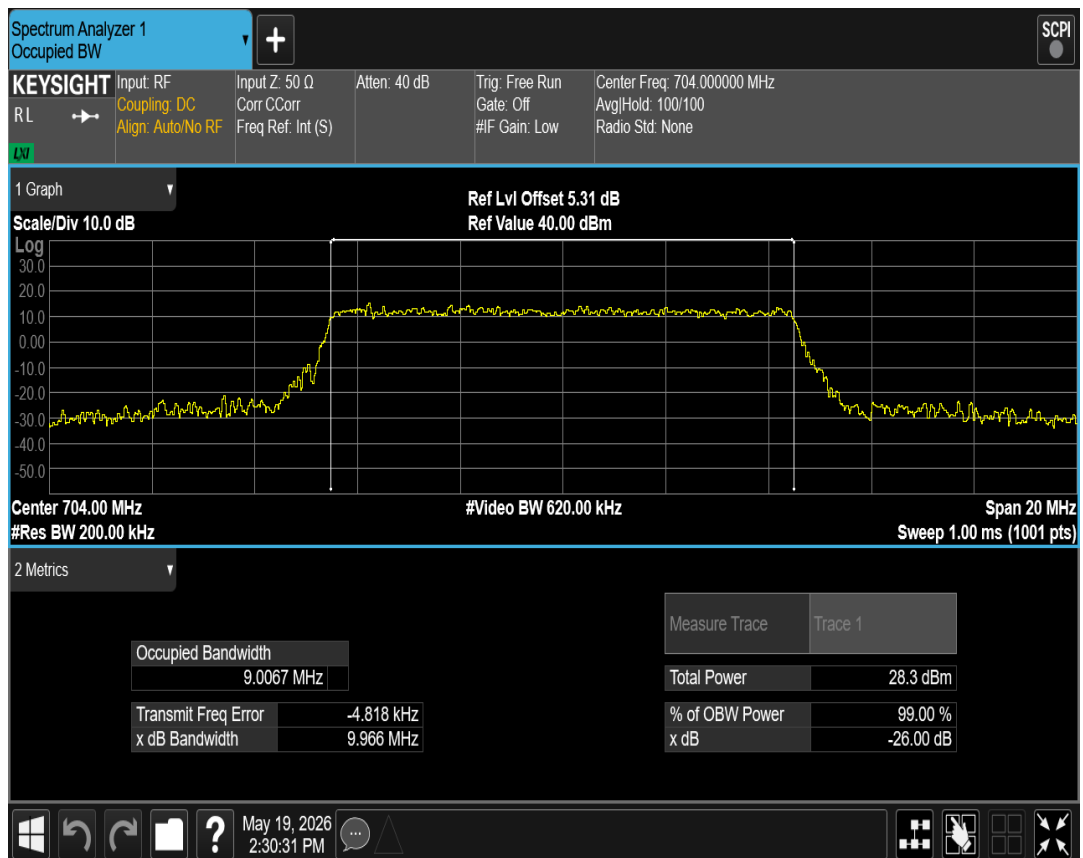
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



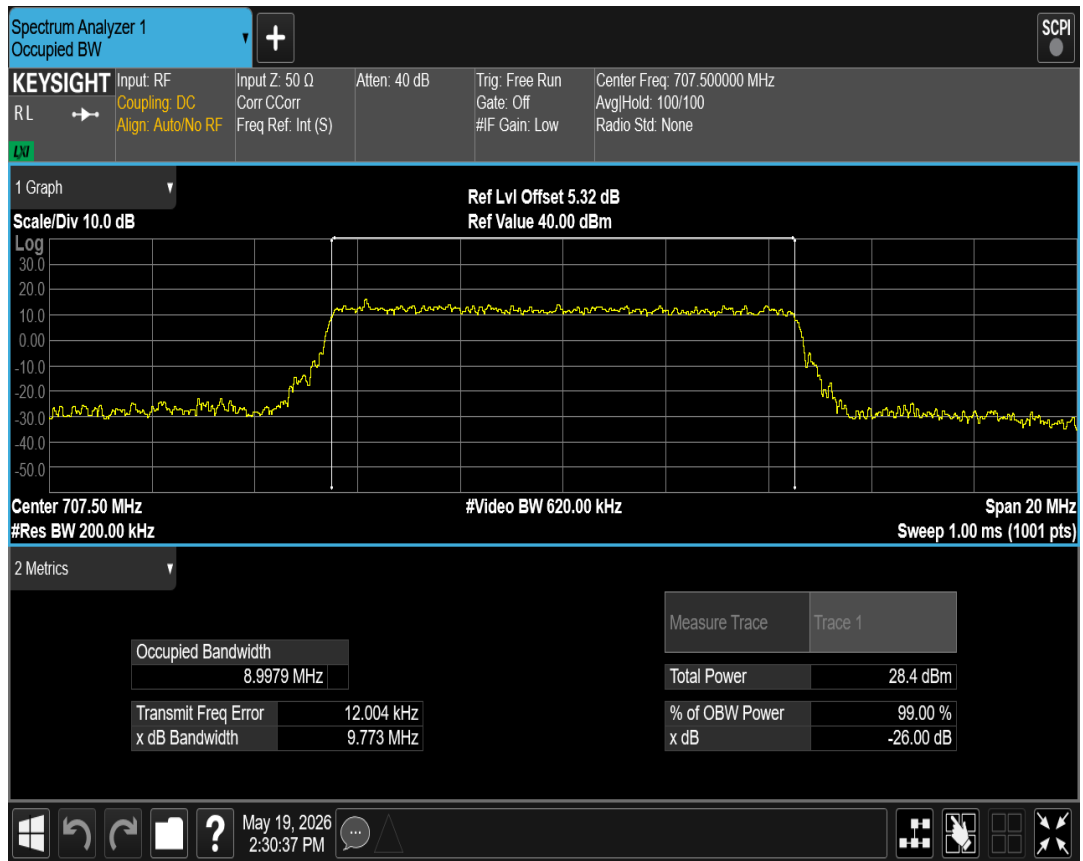
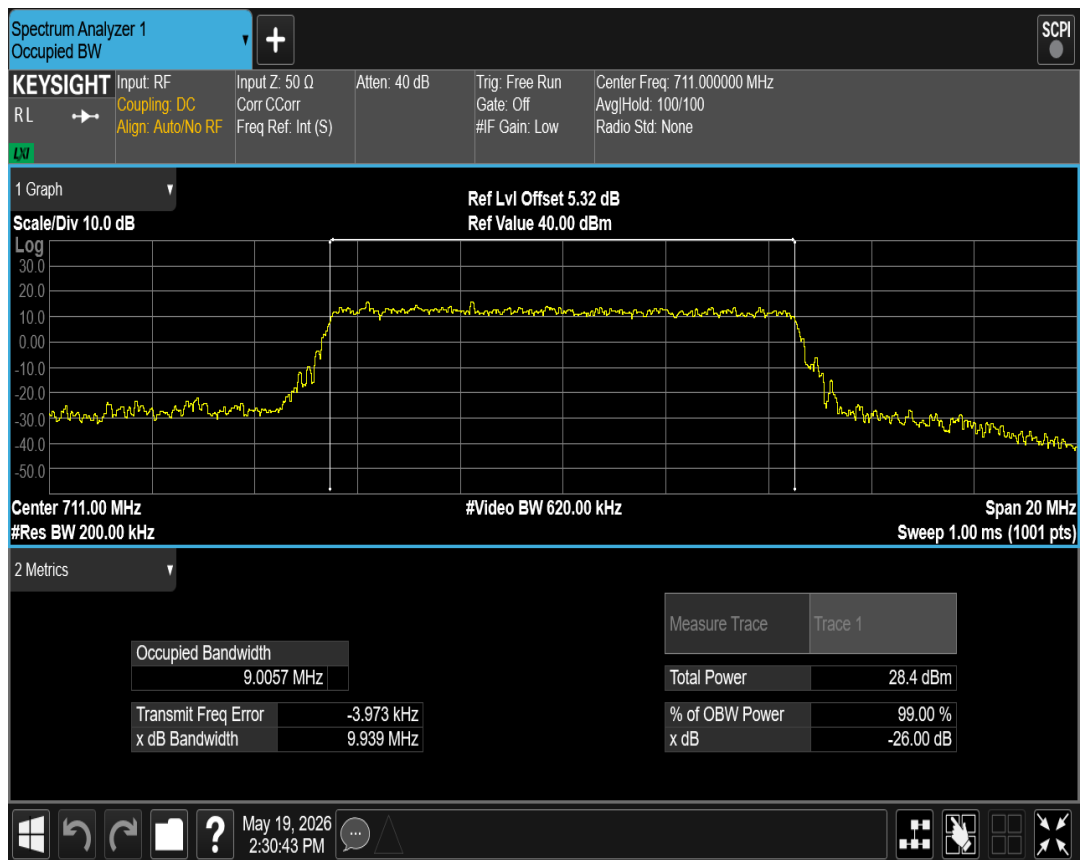
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0

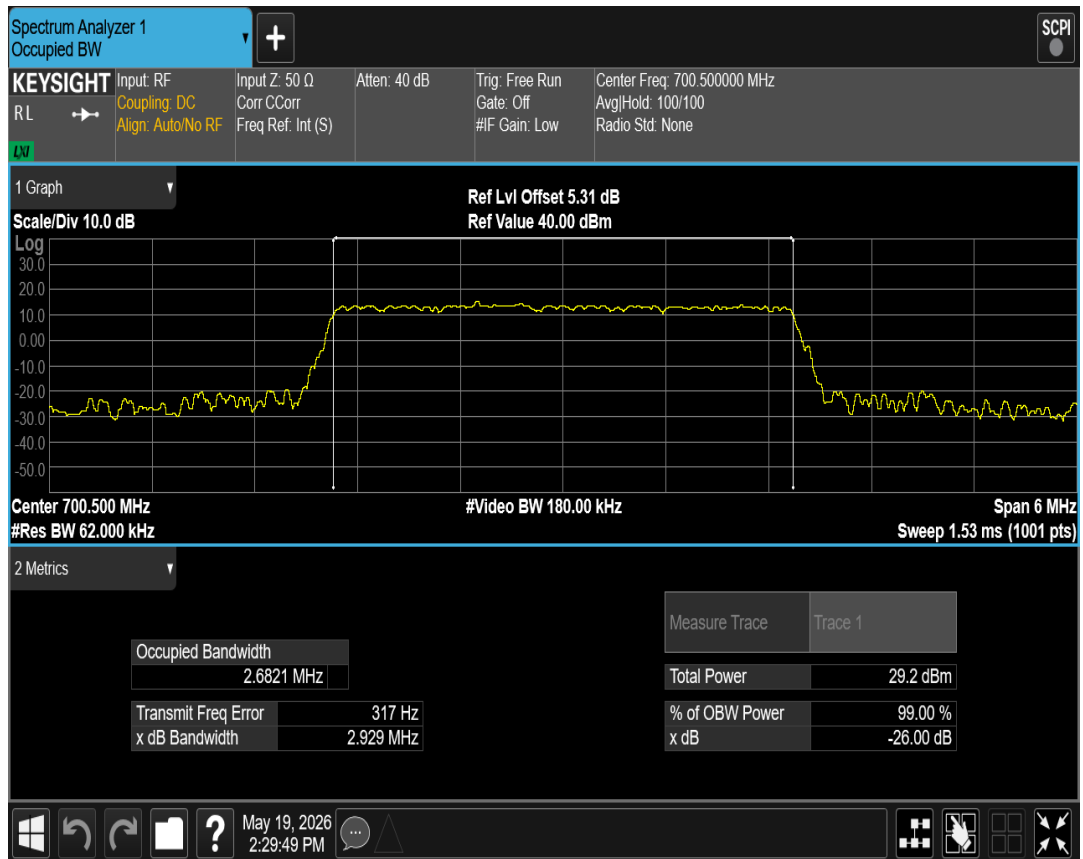


Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0

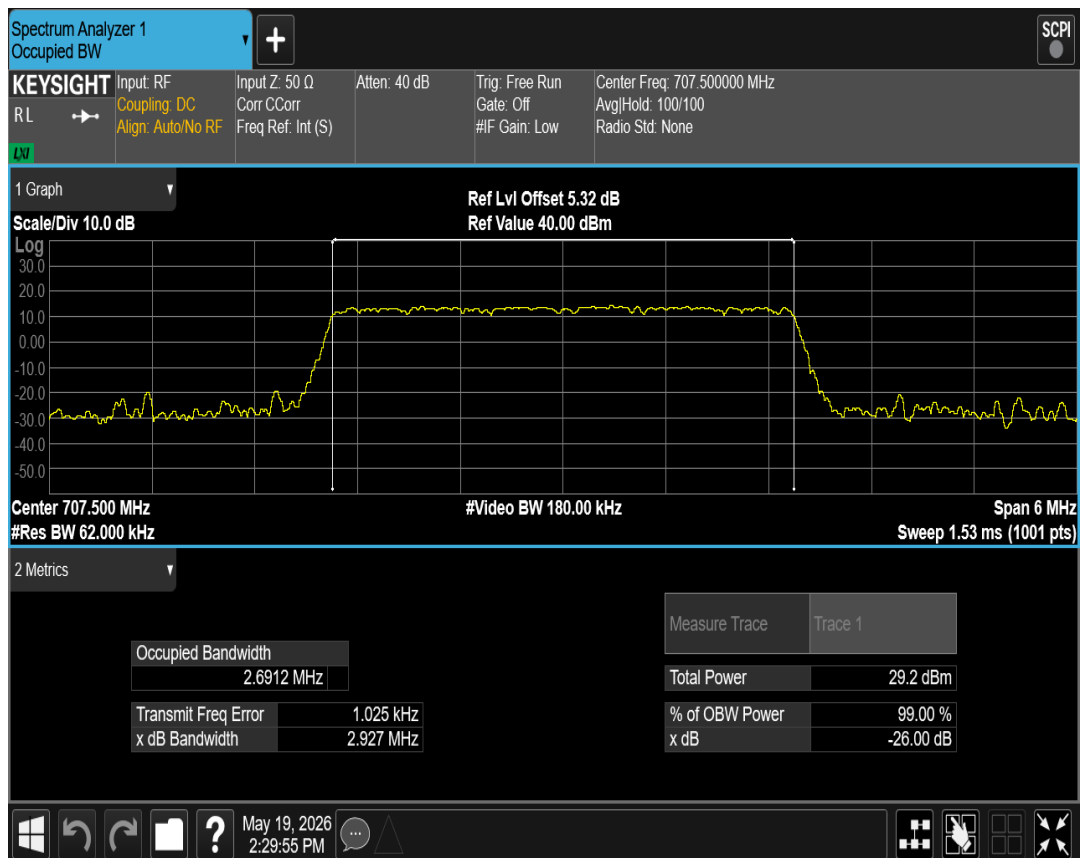


Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0

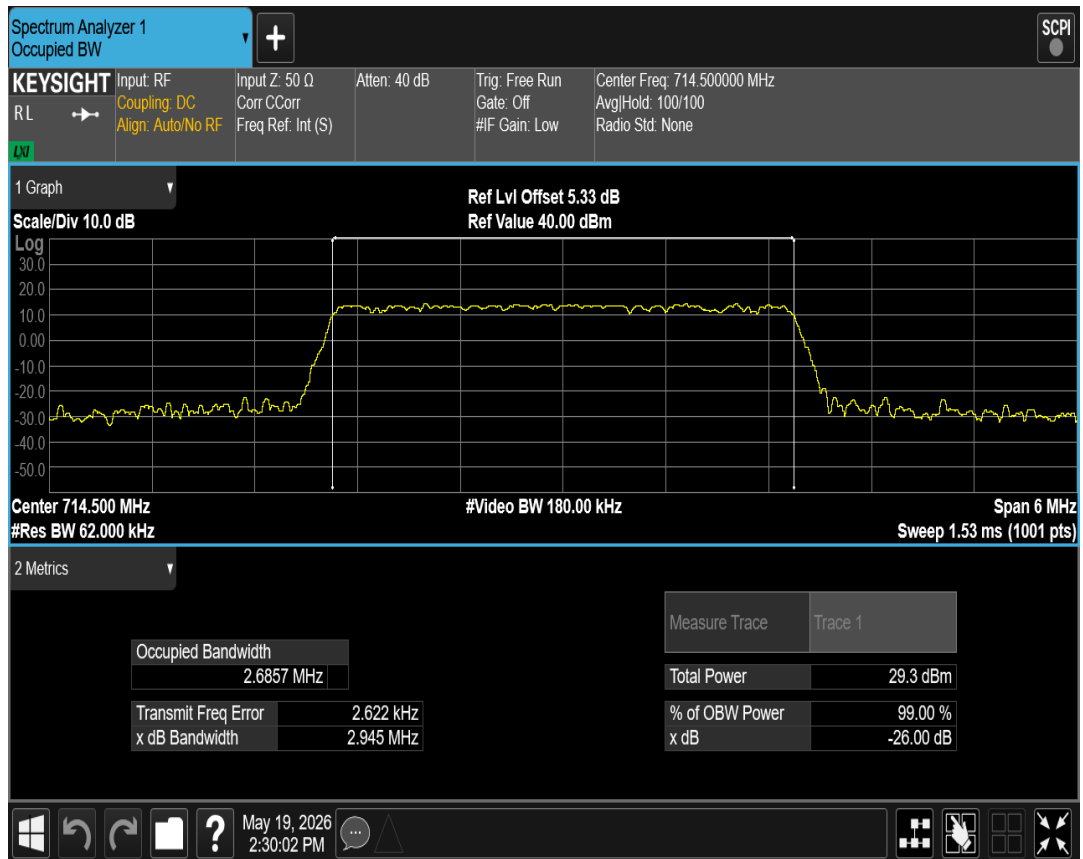
**Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0****Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0**



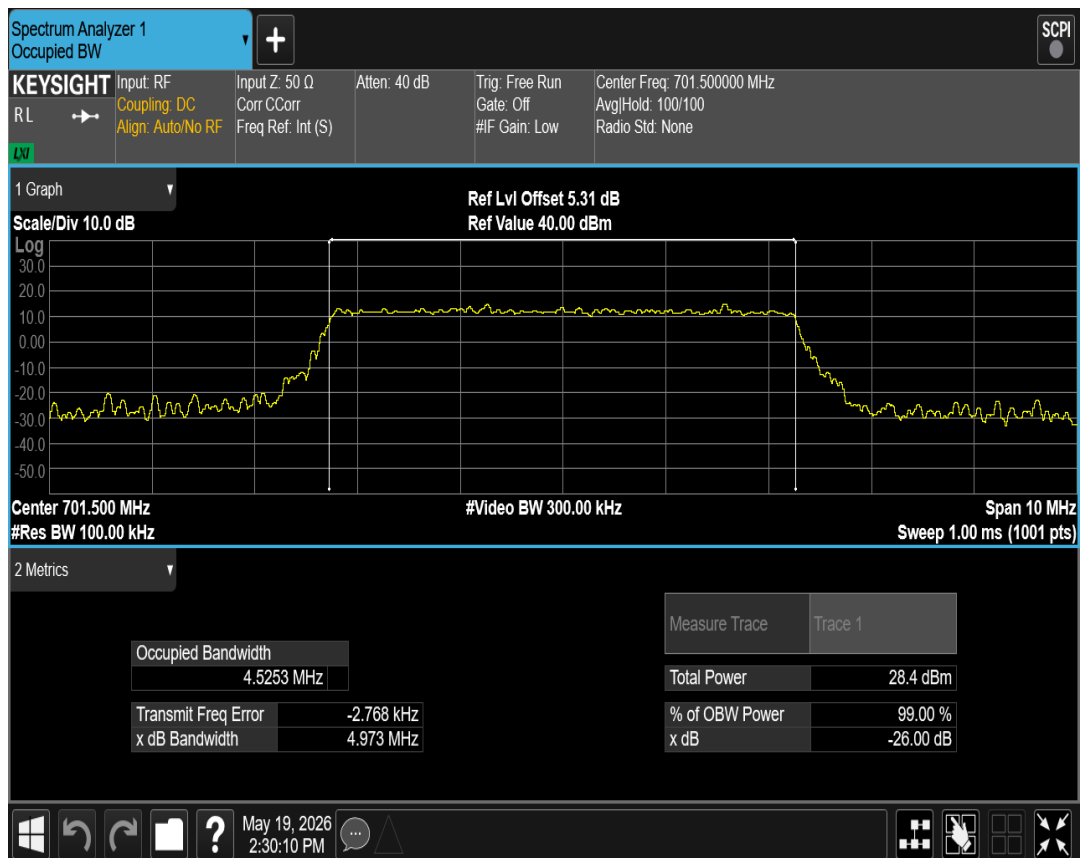
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



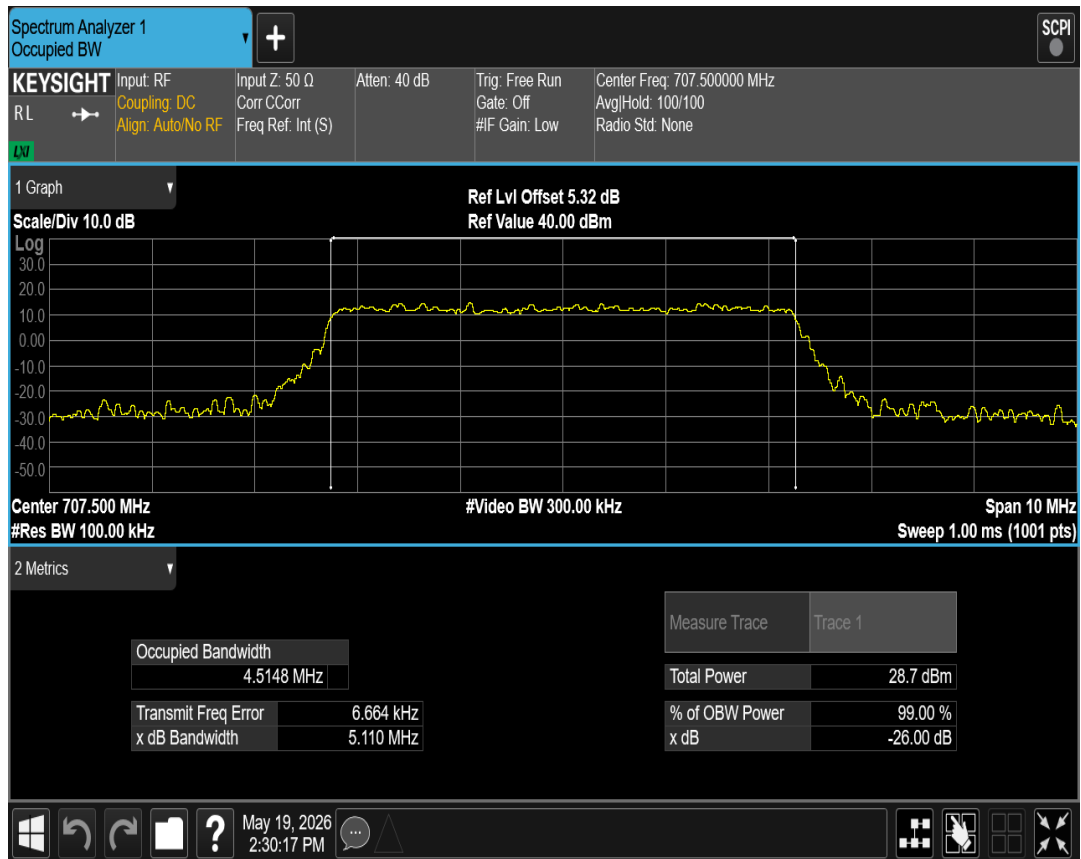
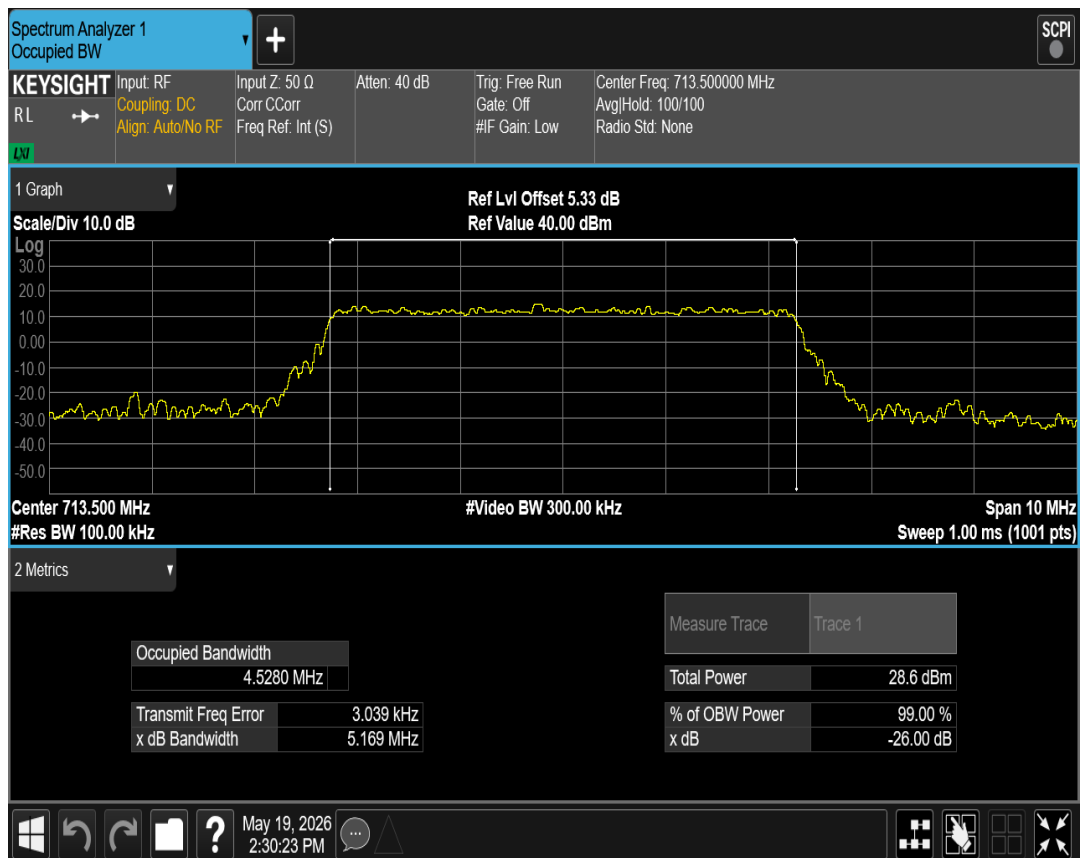
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0

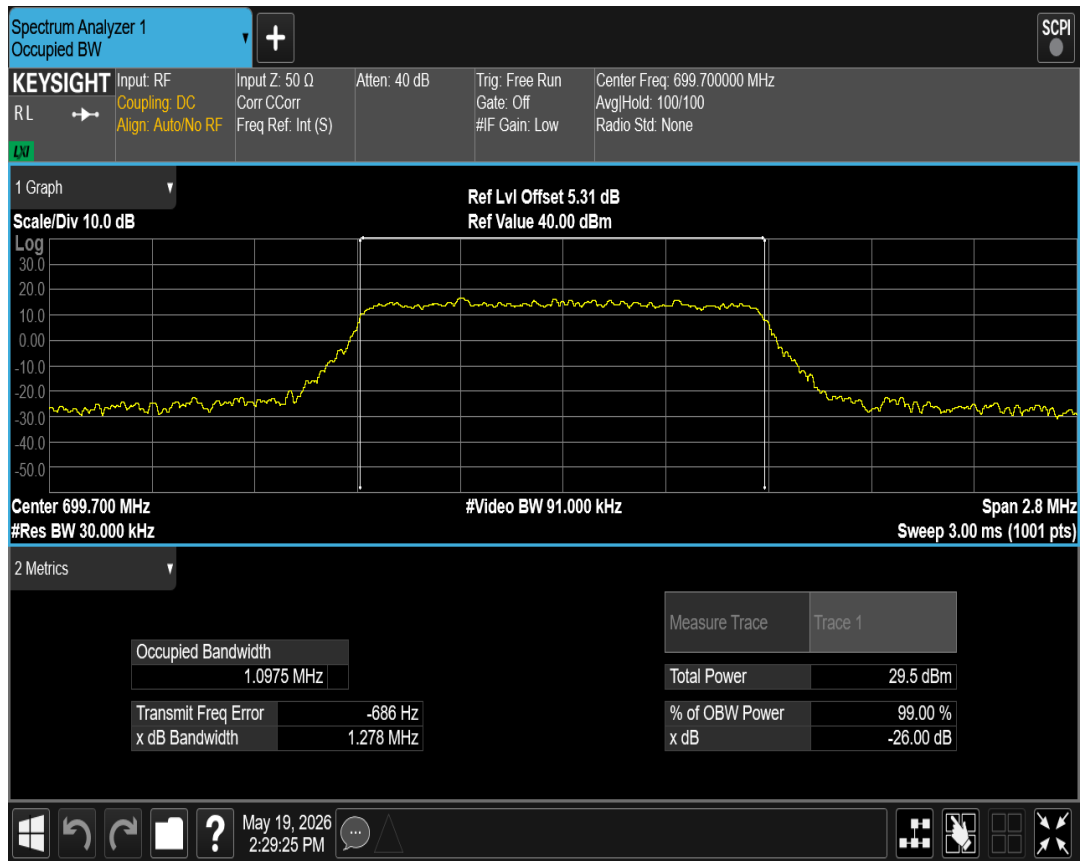
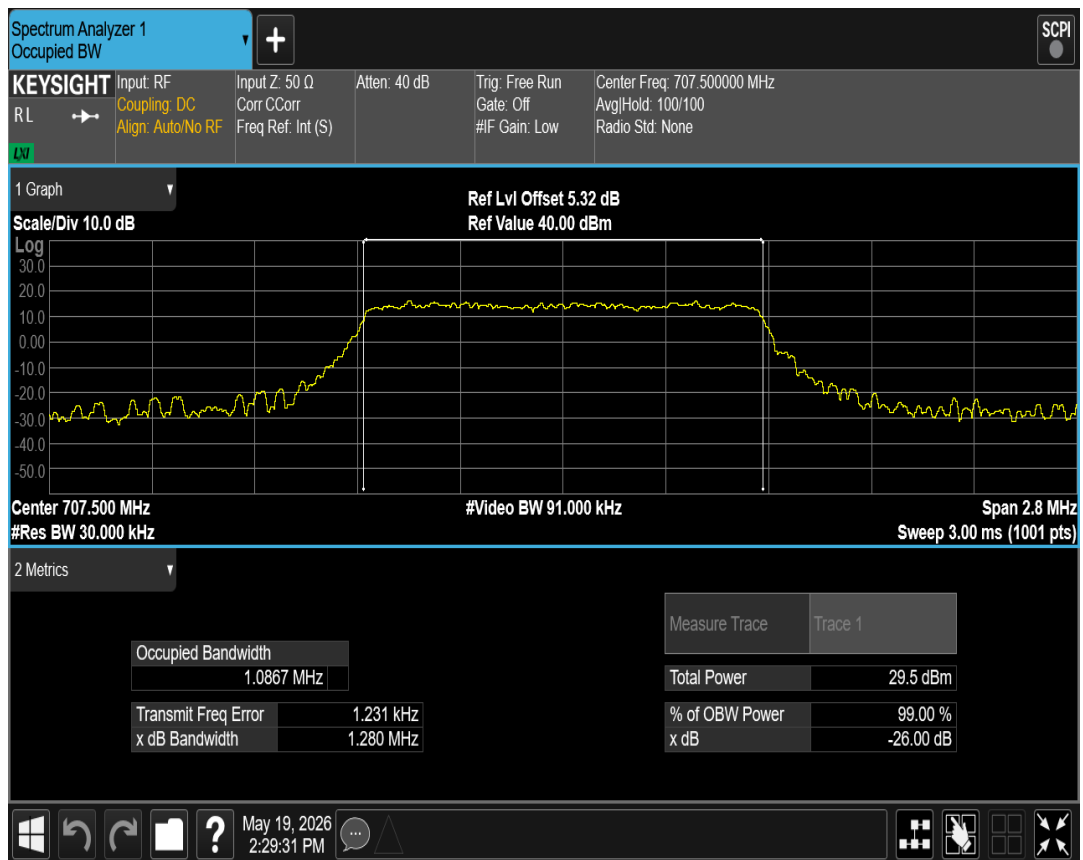


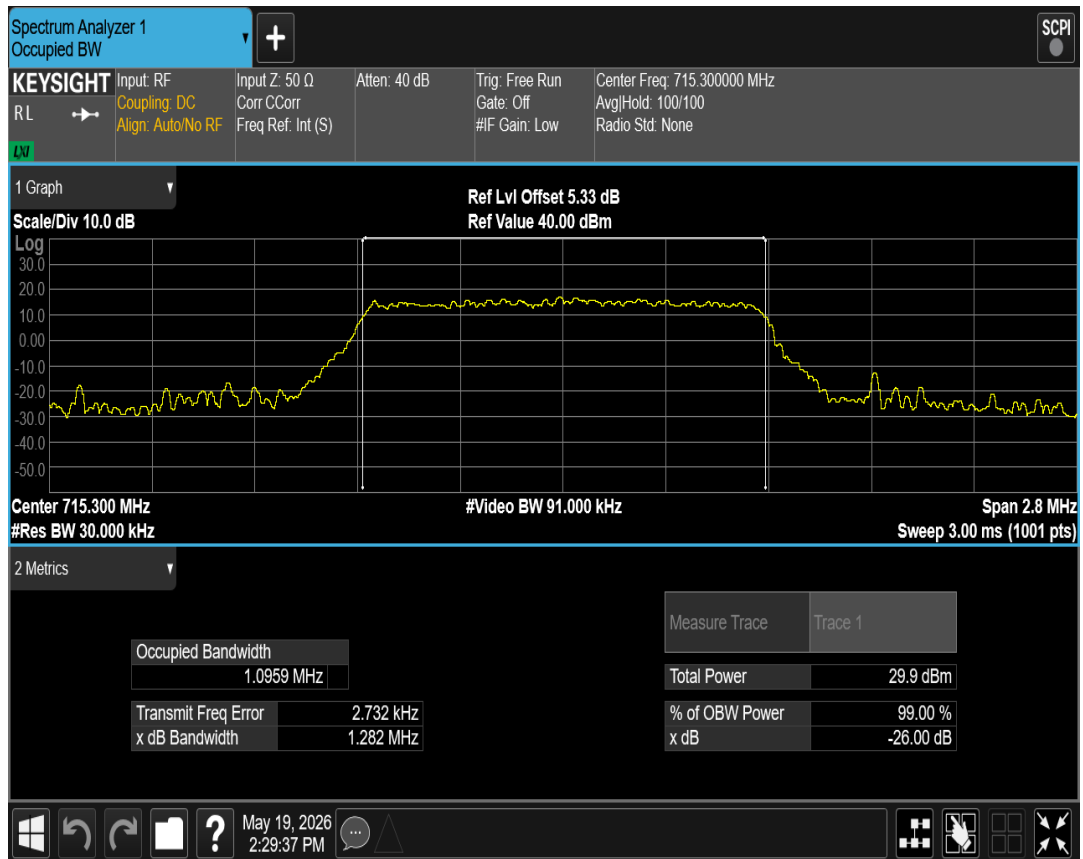
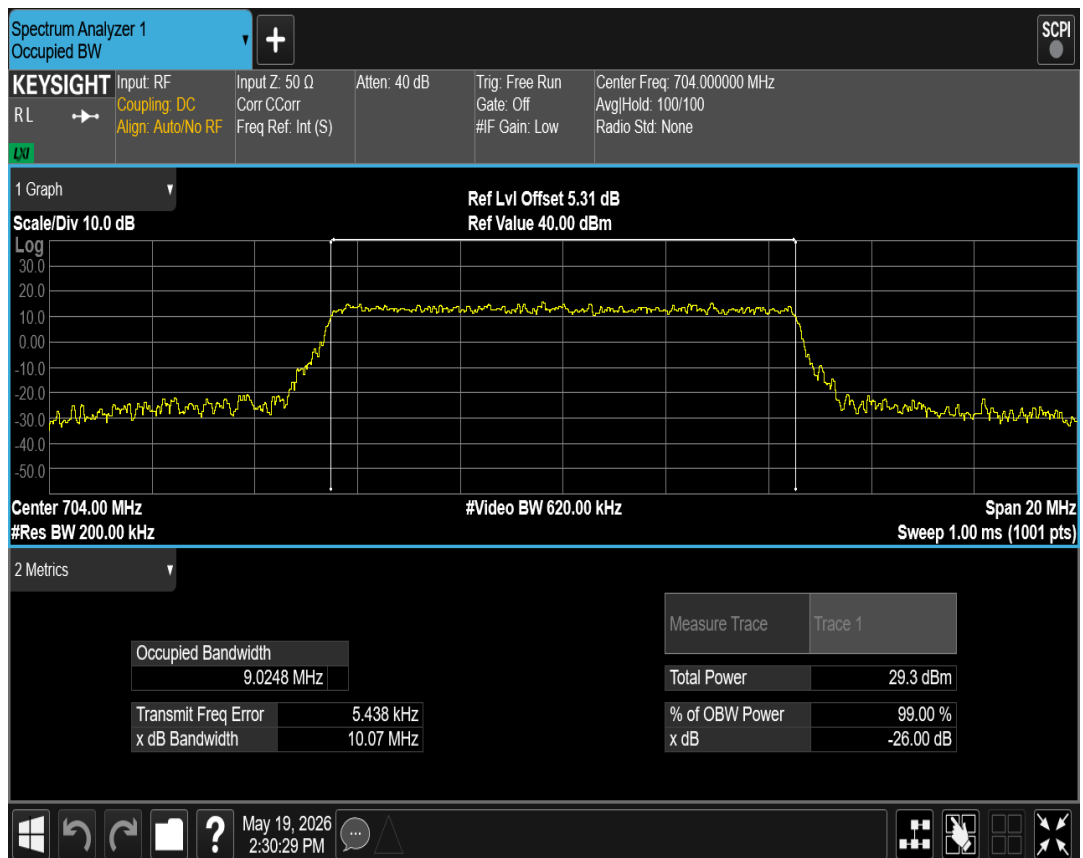
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0

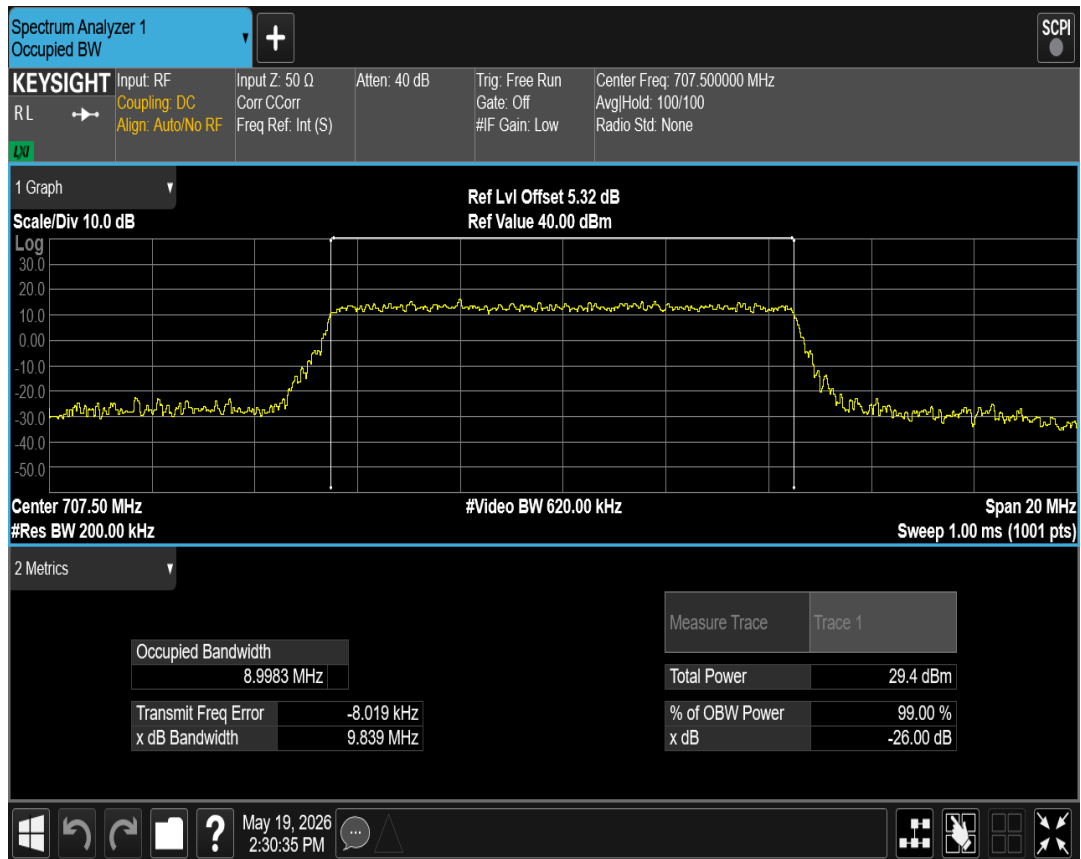
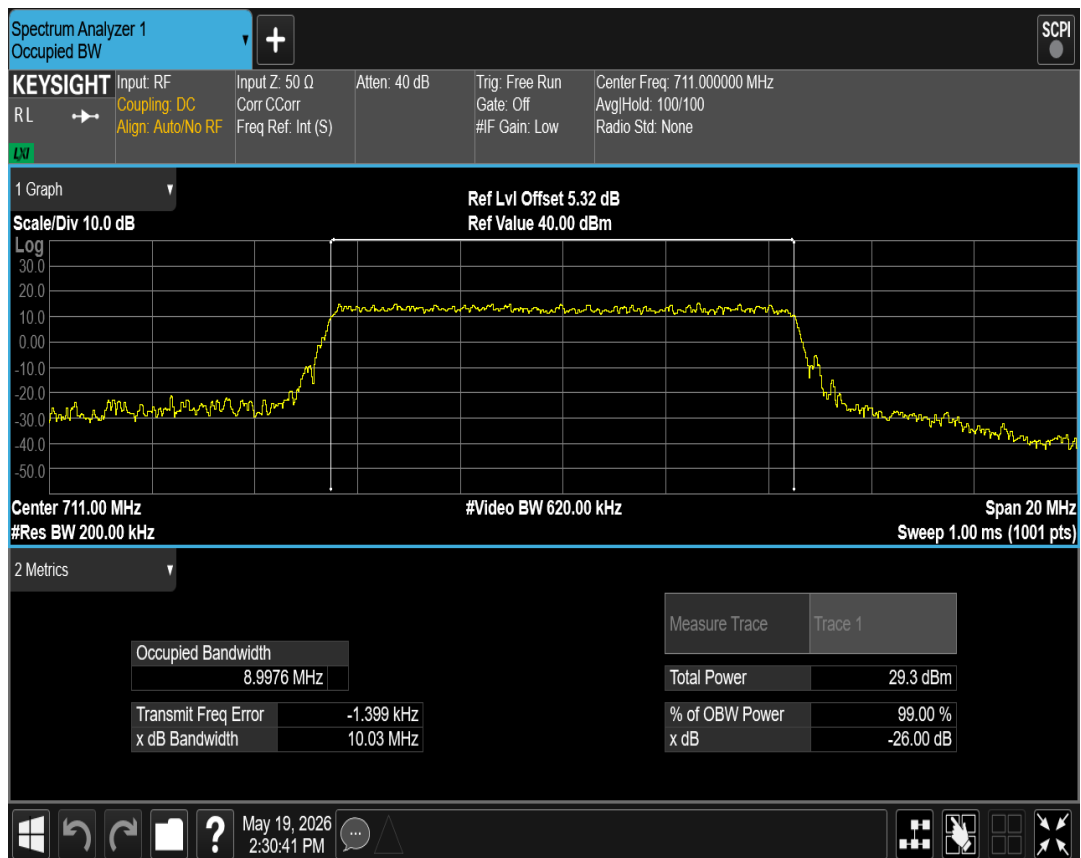


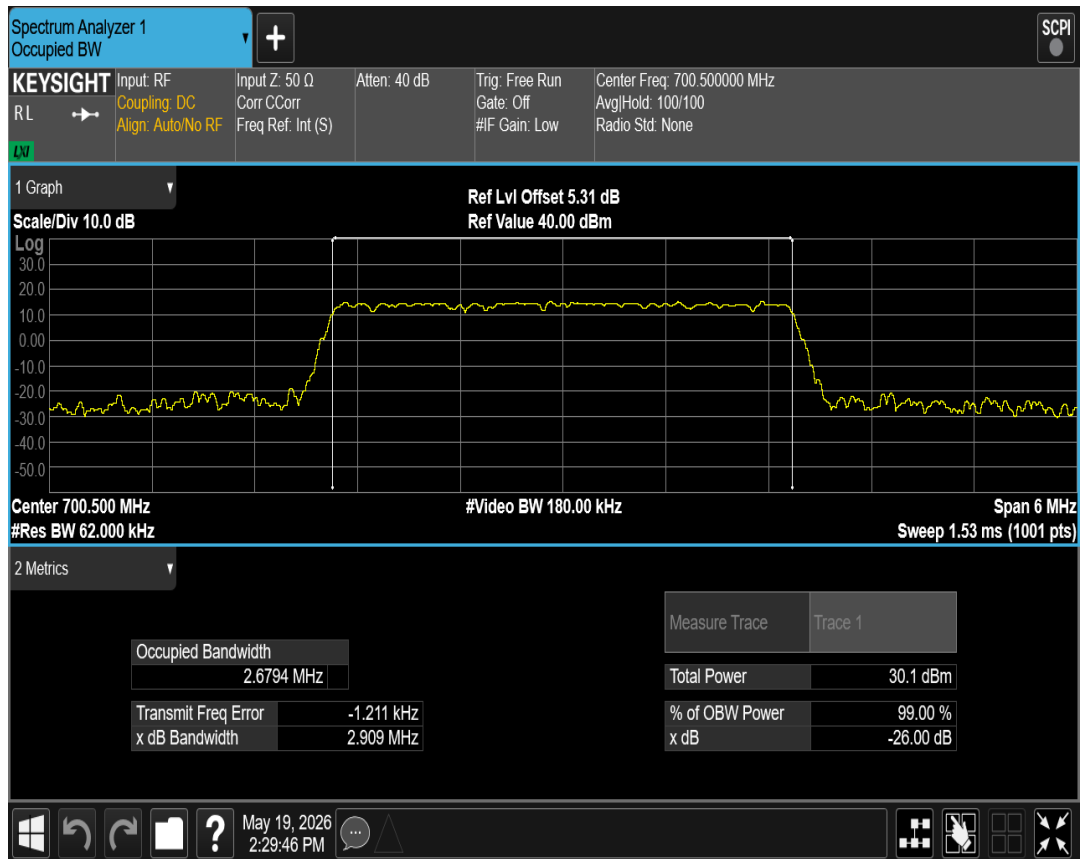
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0

**Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0****Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0**

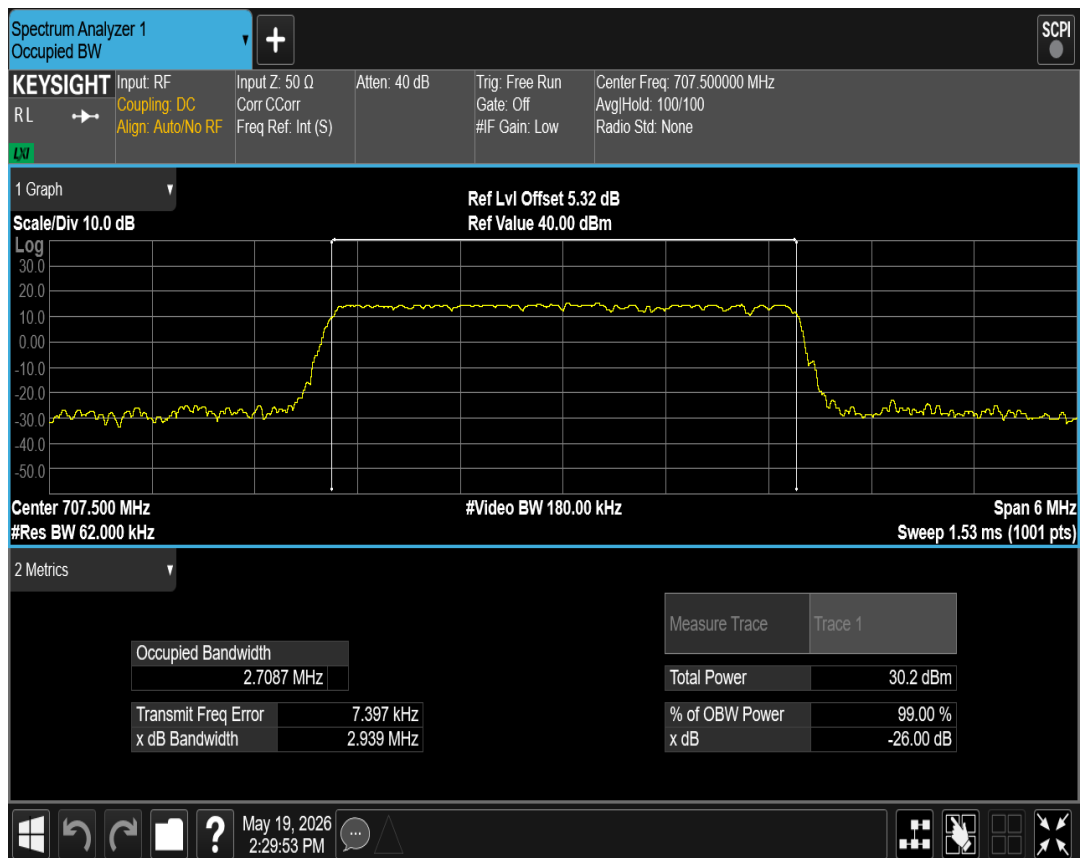
**Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0****Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

**Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0**

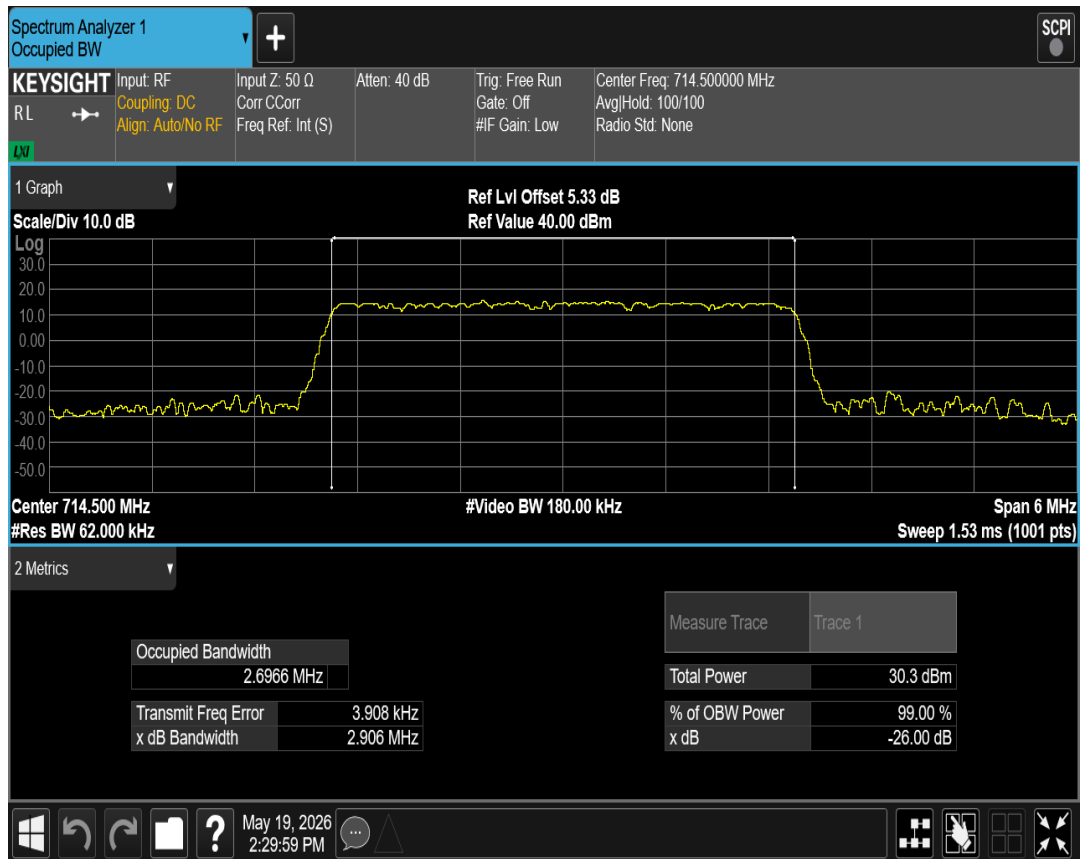
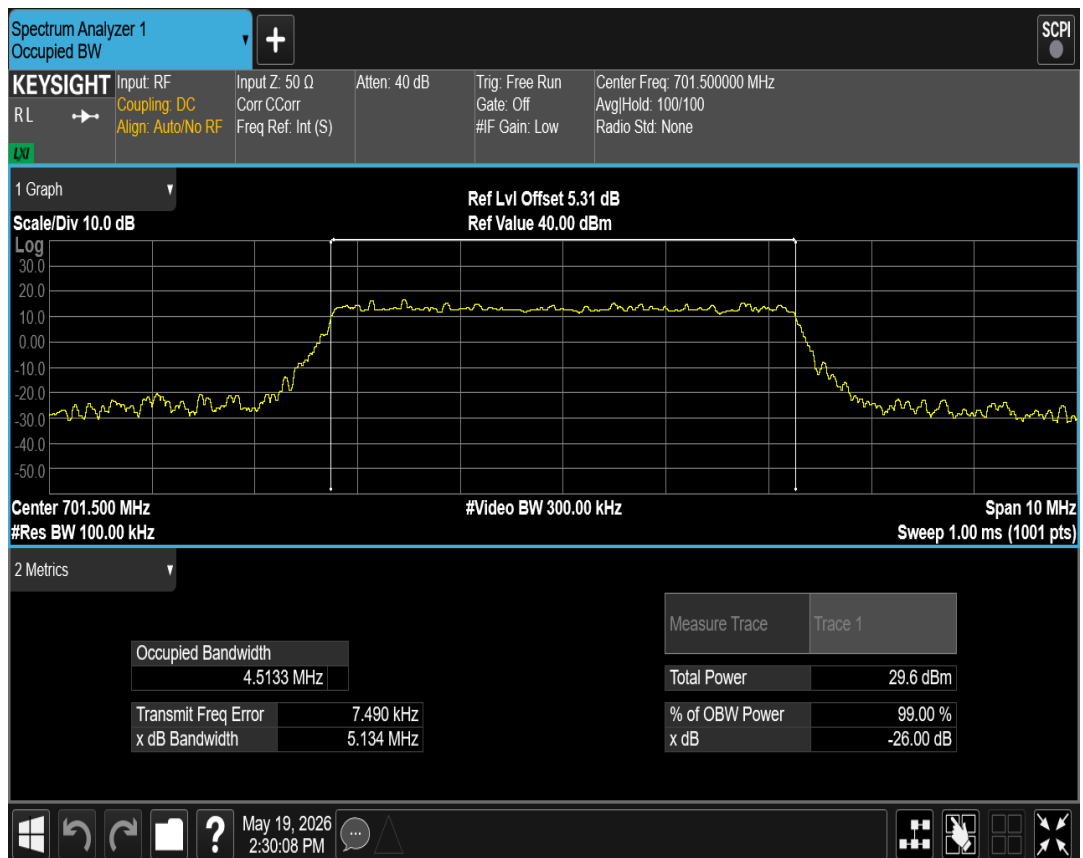
**Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0****Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0**

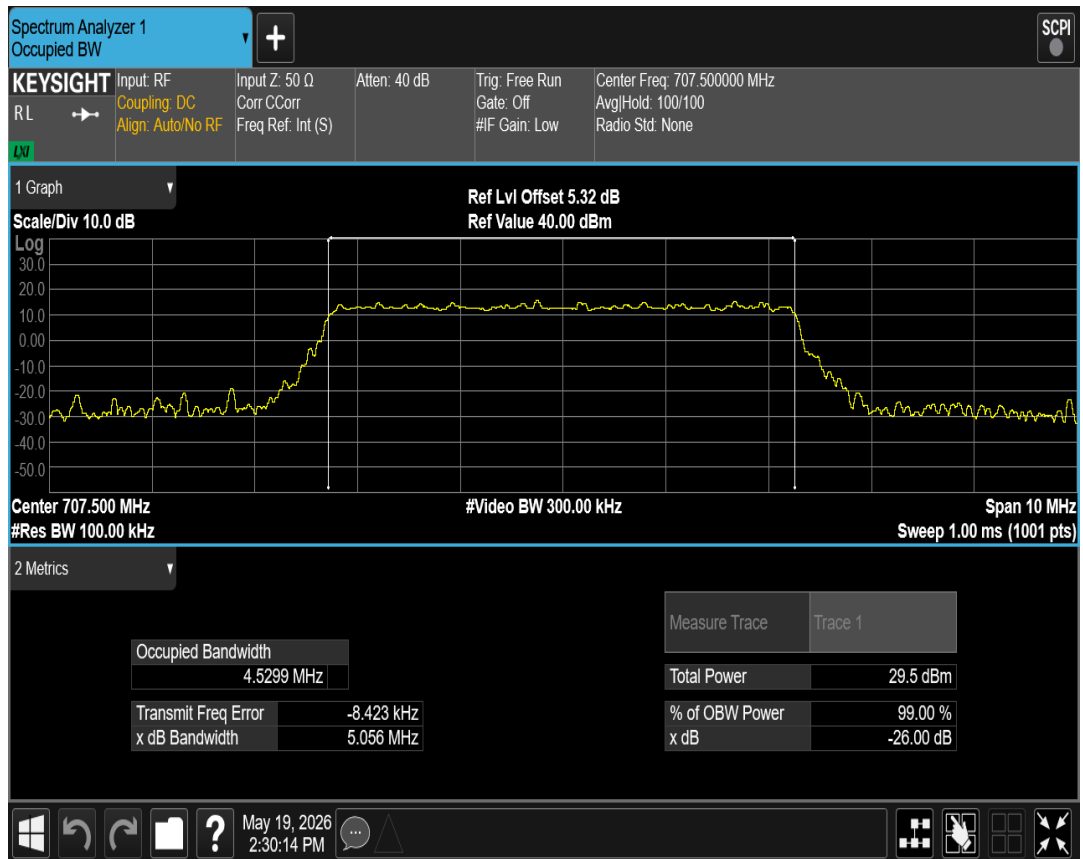


Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0

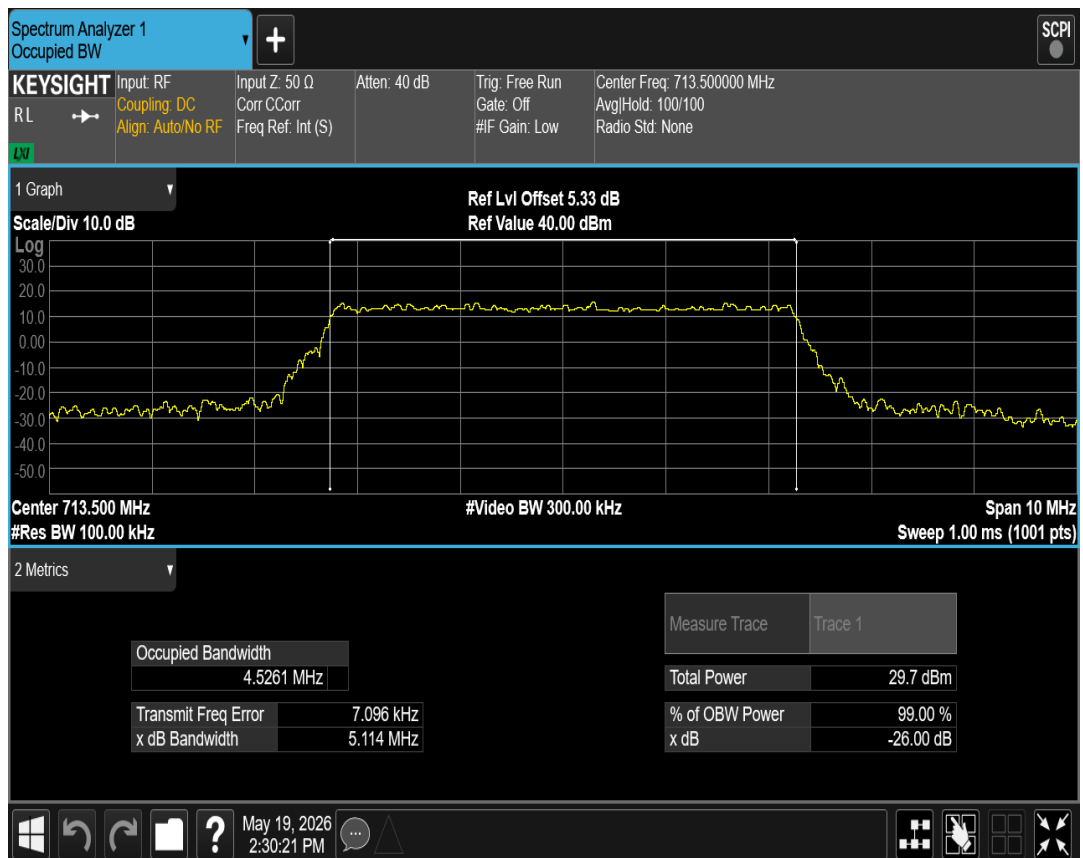


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

**Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0**



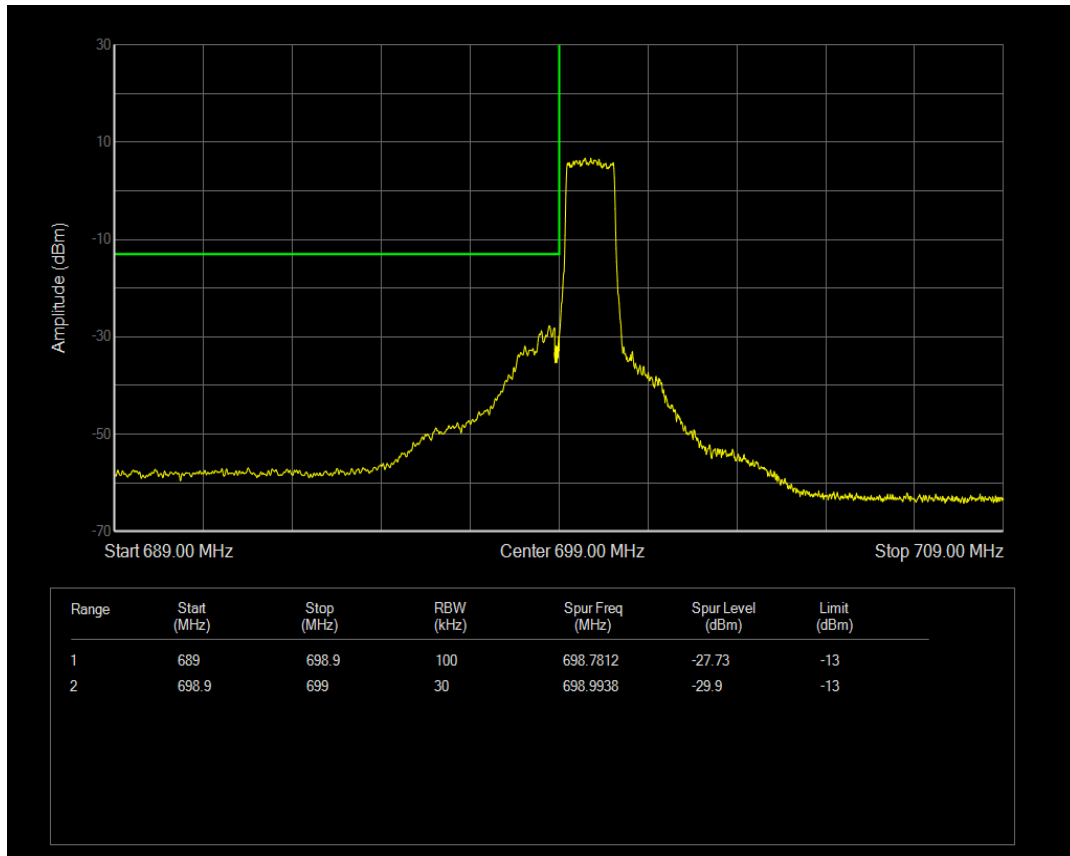
**Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0**



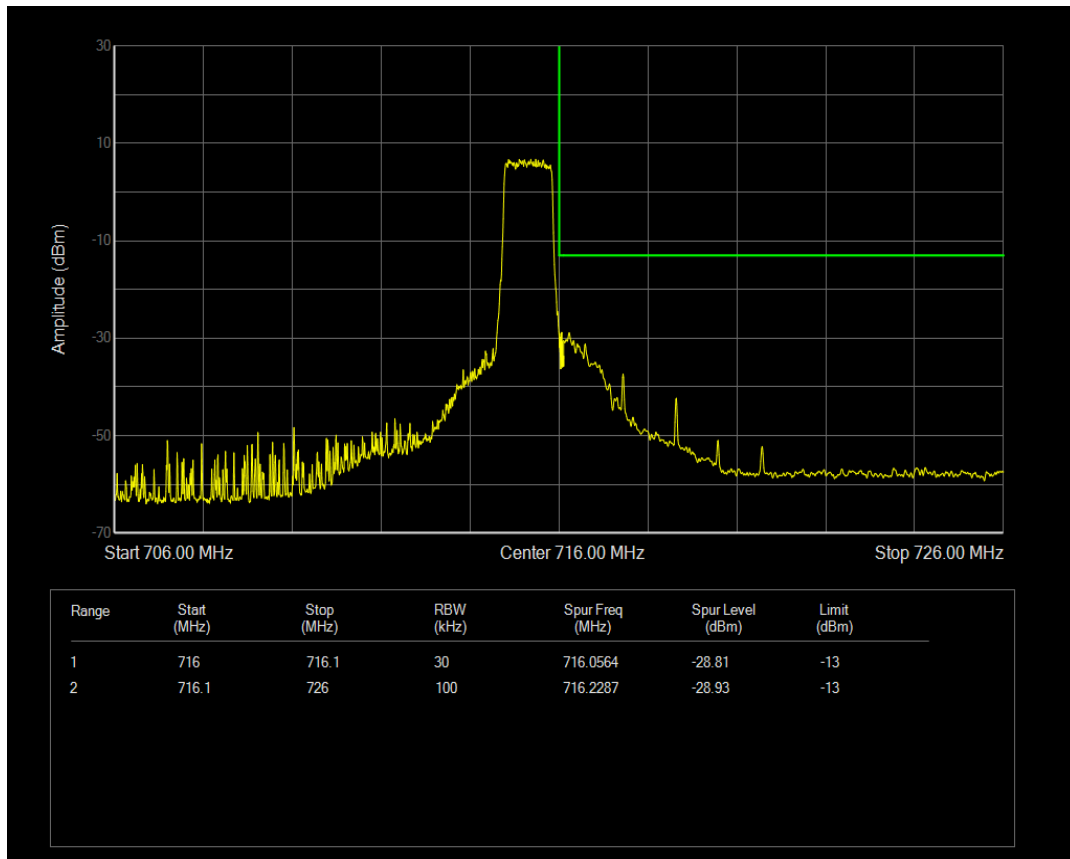
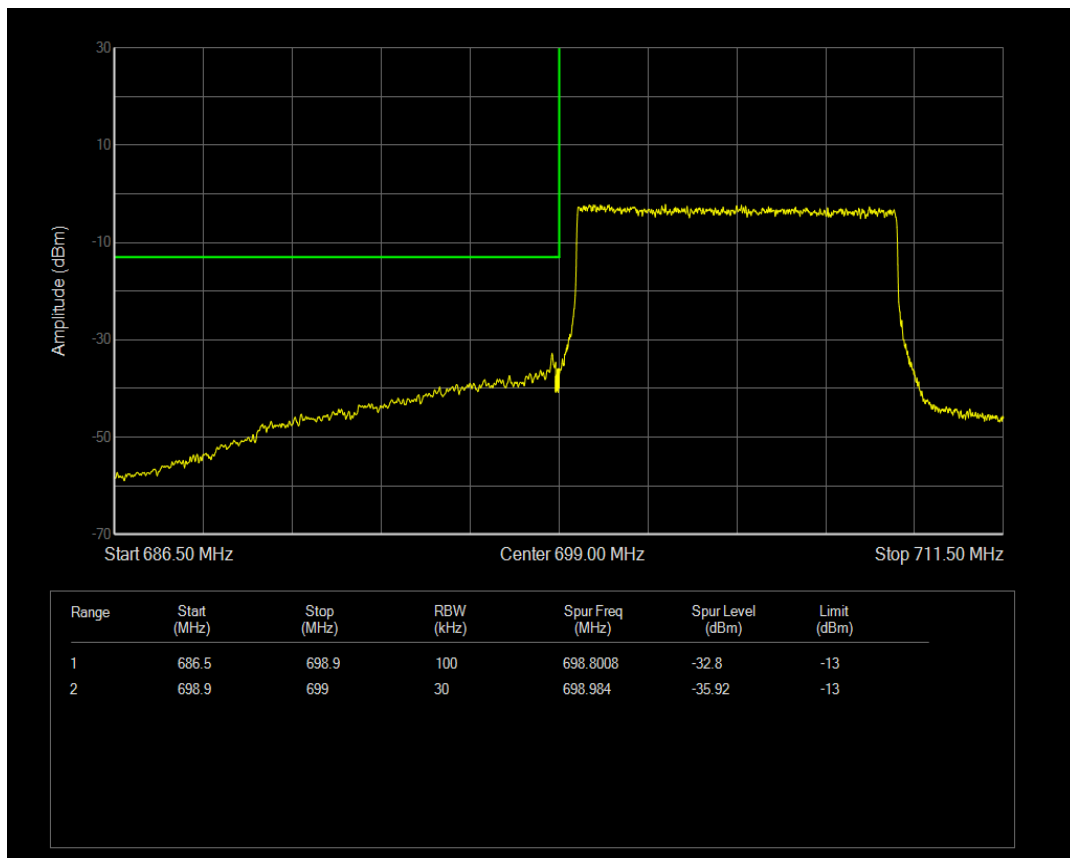
## 5 Band edge

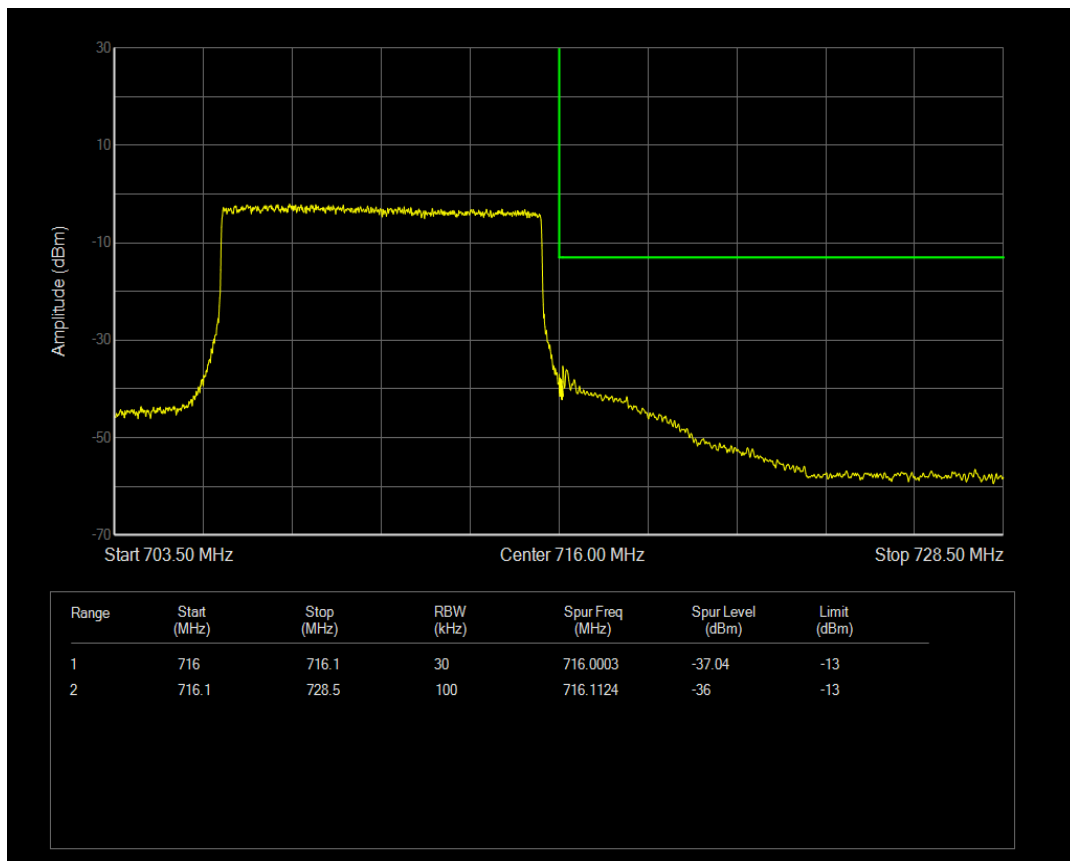
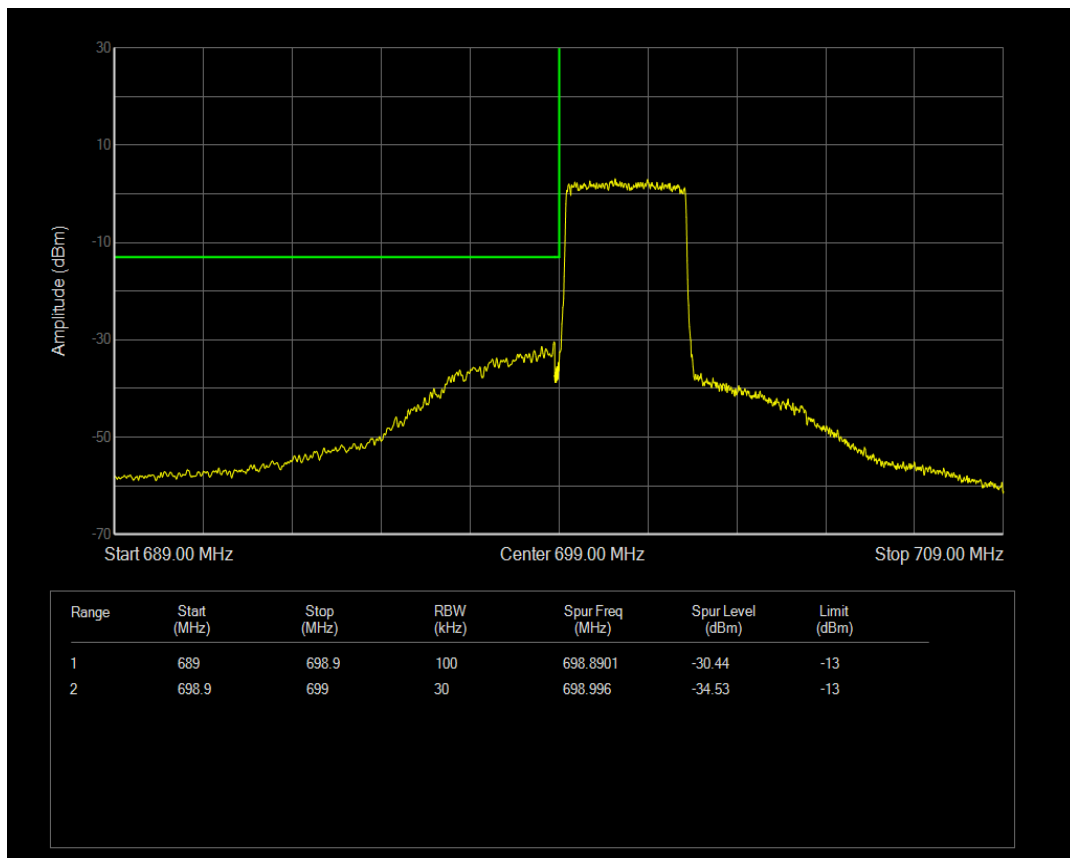
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 698.87          | -26.29           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | QAM16      | 698.78          | -27.73           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 716.05          | -28.60           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QAM16      | 716.06          | -28.81           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 698.68          | -31.98           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QAM16      | 698.89          | -30.44           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 716.37          | -33.04           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QAM16      | 716.11          | -33.33           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 698.98          | -28.02           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QAM16      | 698.90          | -28.01           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 716.00          | -28.70           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QAM16      | 716.11          | -27.21           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 698.89          | -31.22           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QAM16      | 698.80          | -32.80           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 716.12          | -34.56           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QAM16      | 716.11          | -36.00           | -13         | PASS    |

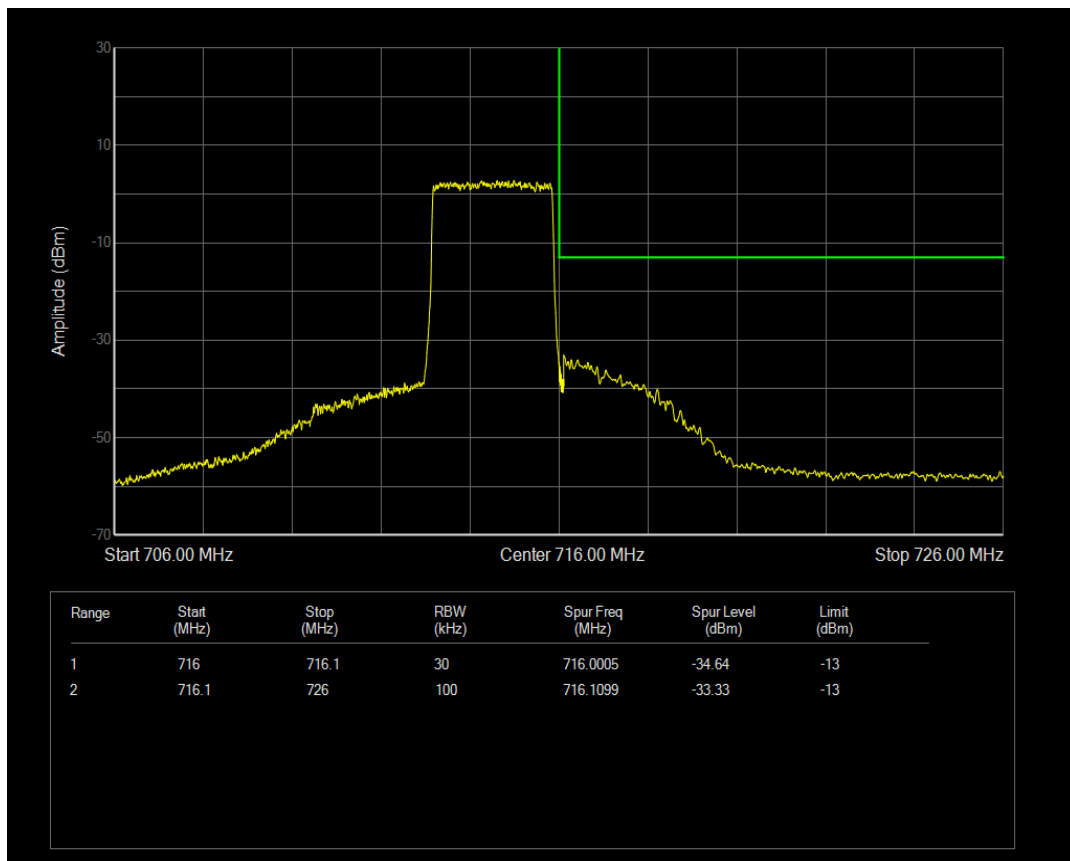
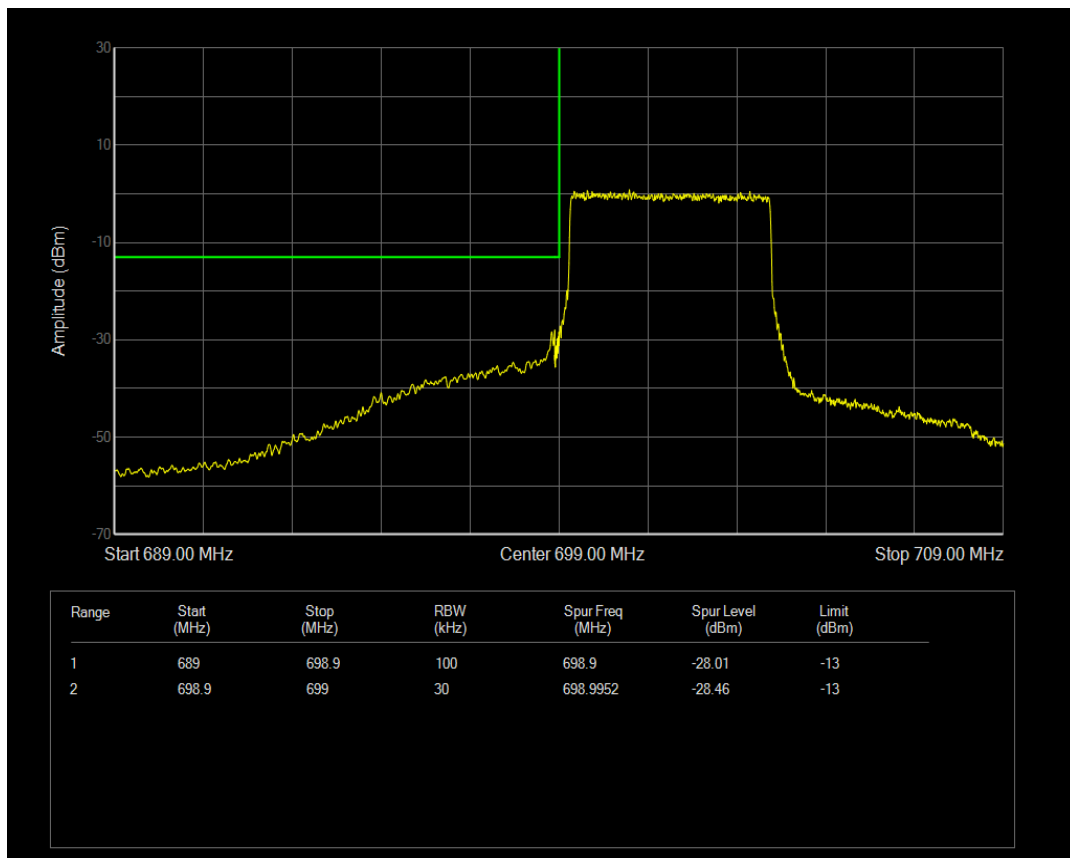
**Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0**

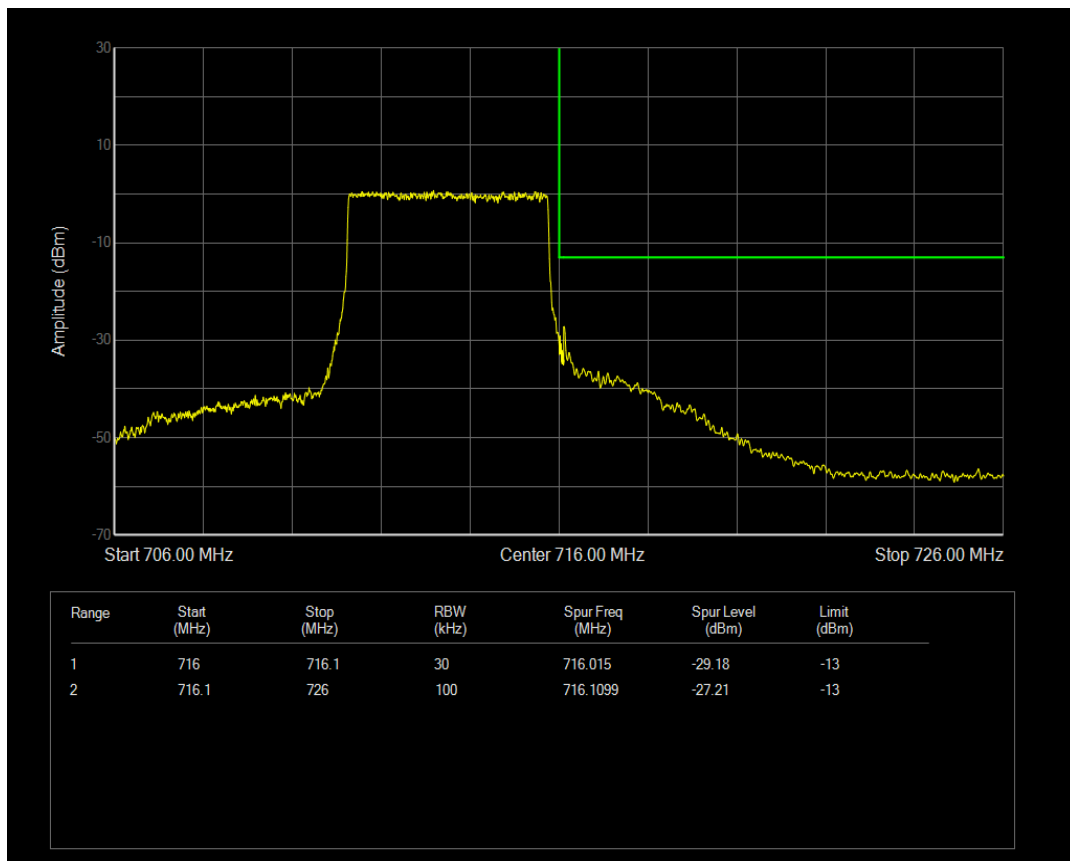
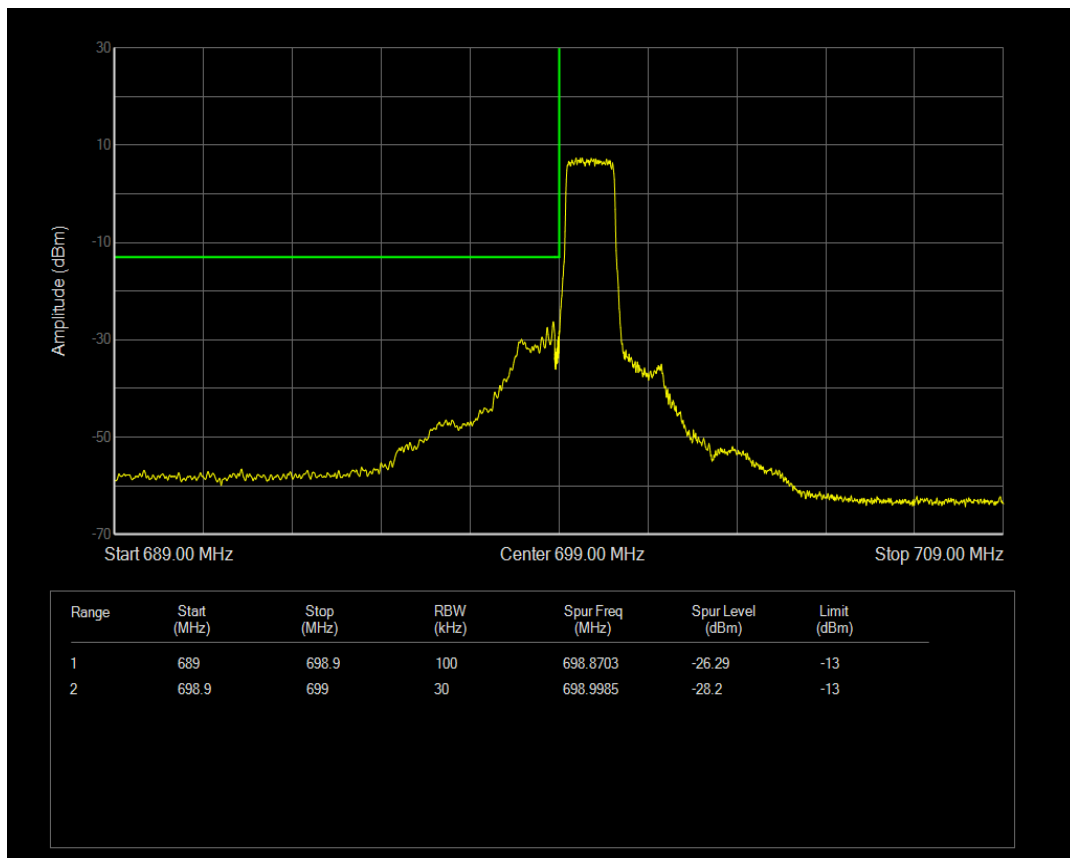


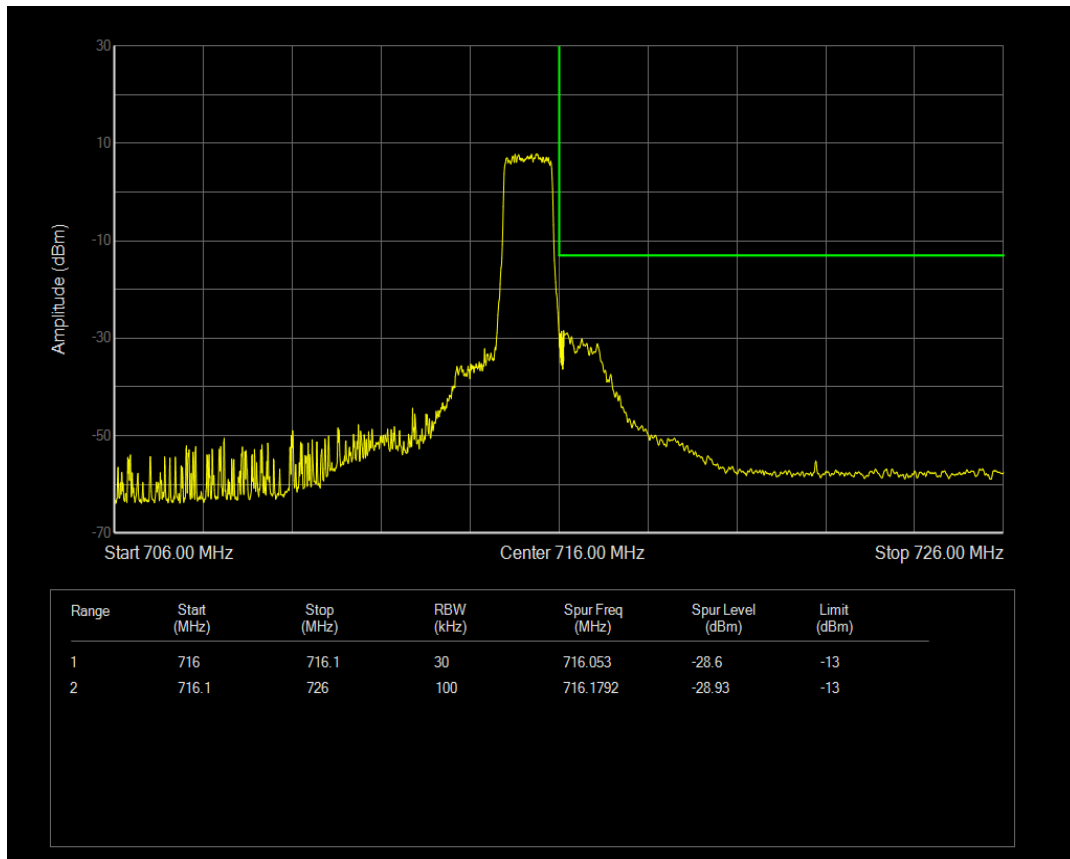
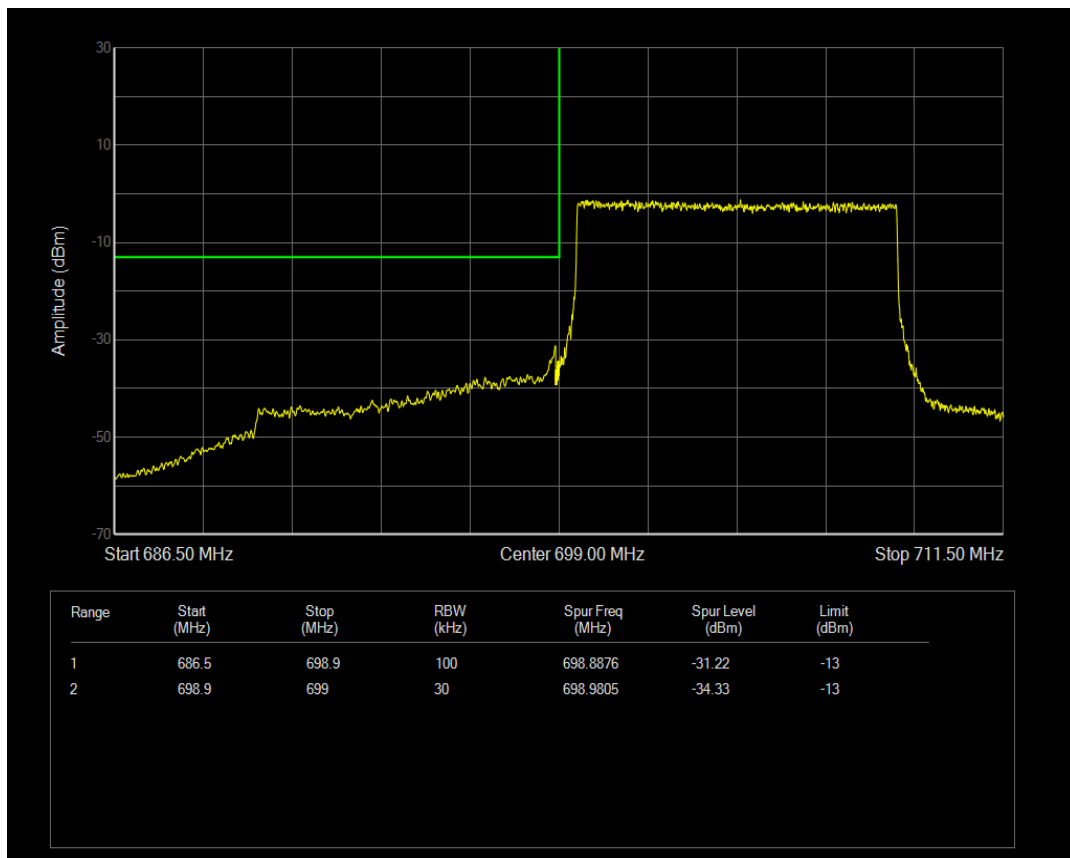
**Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

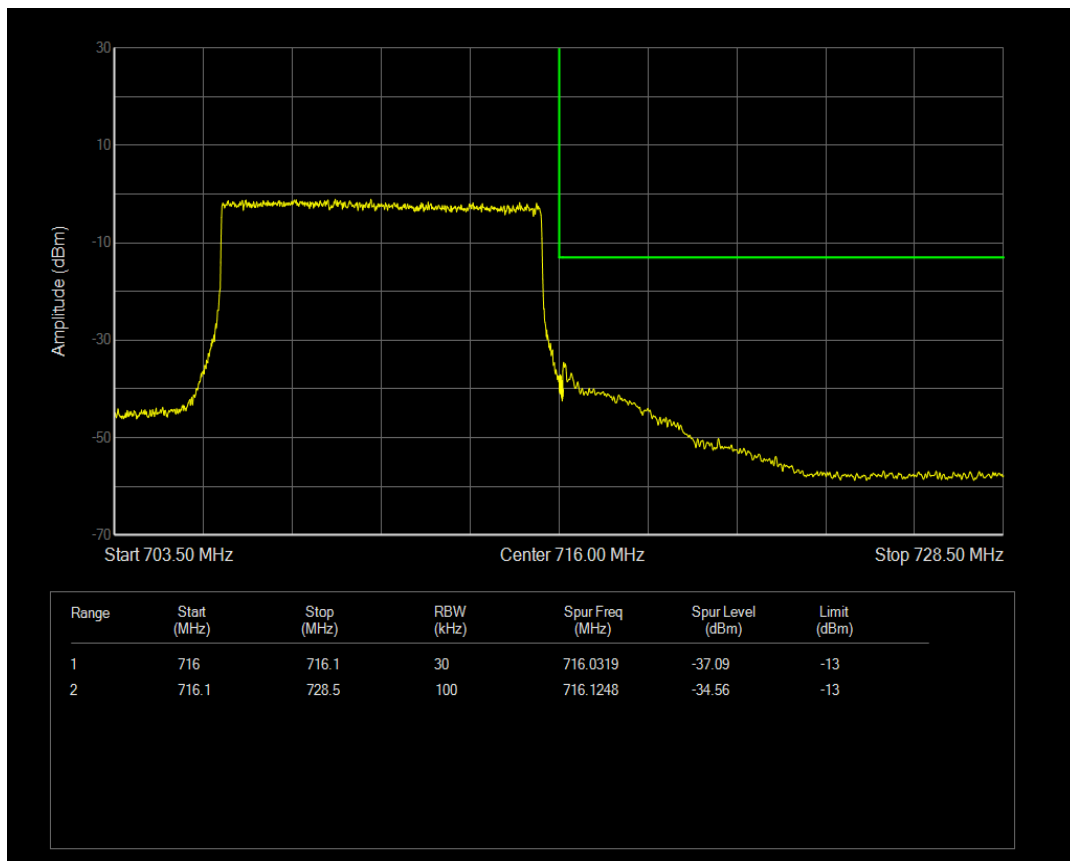
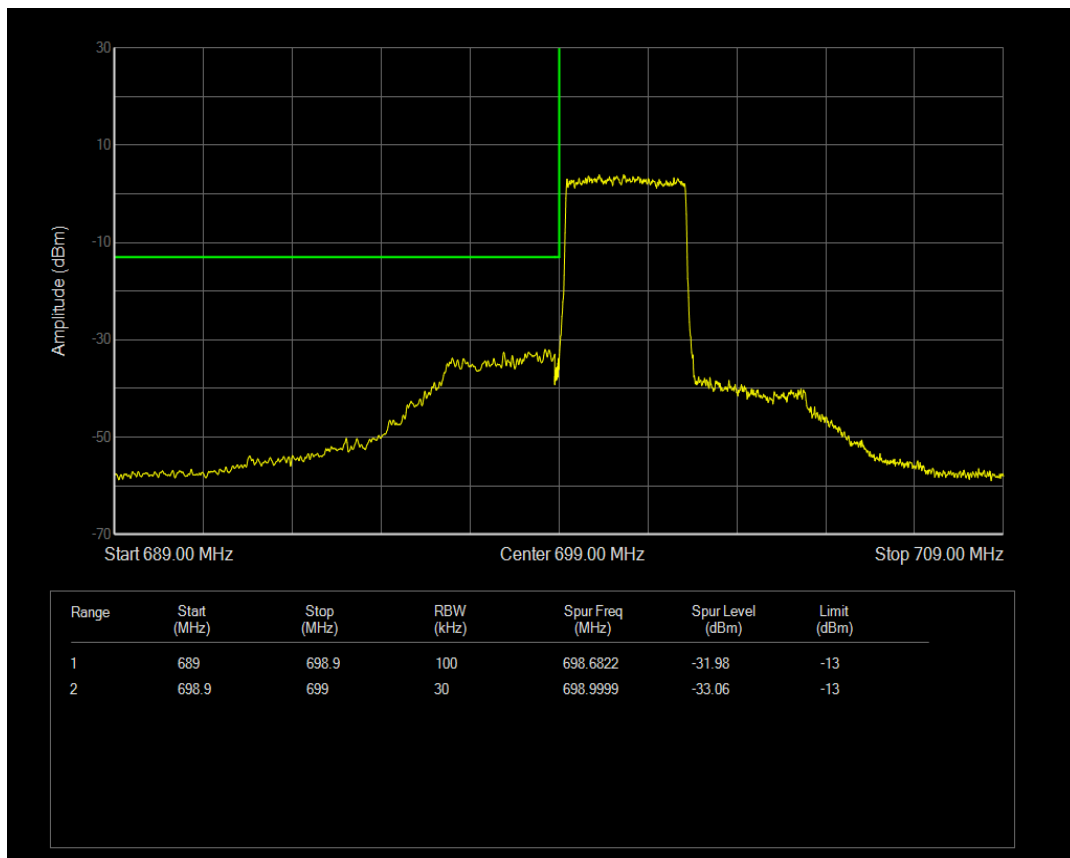
**Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0**

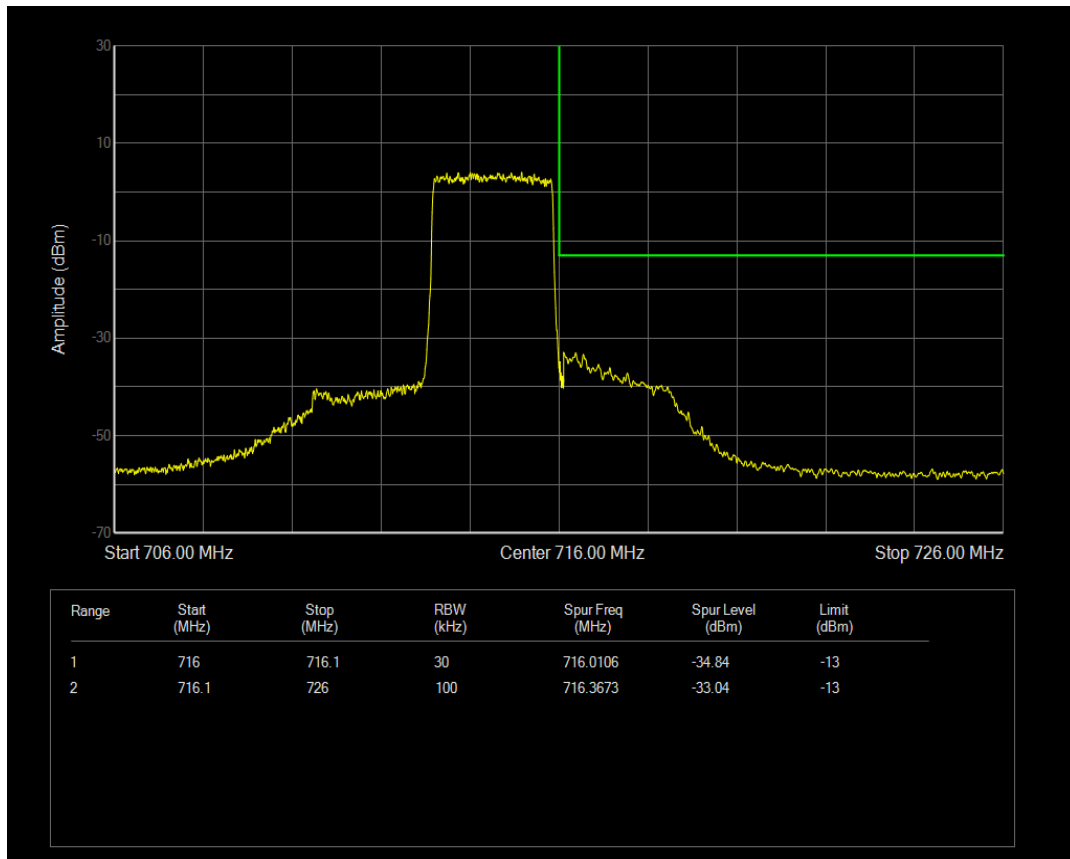
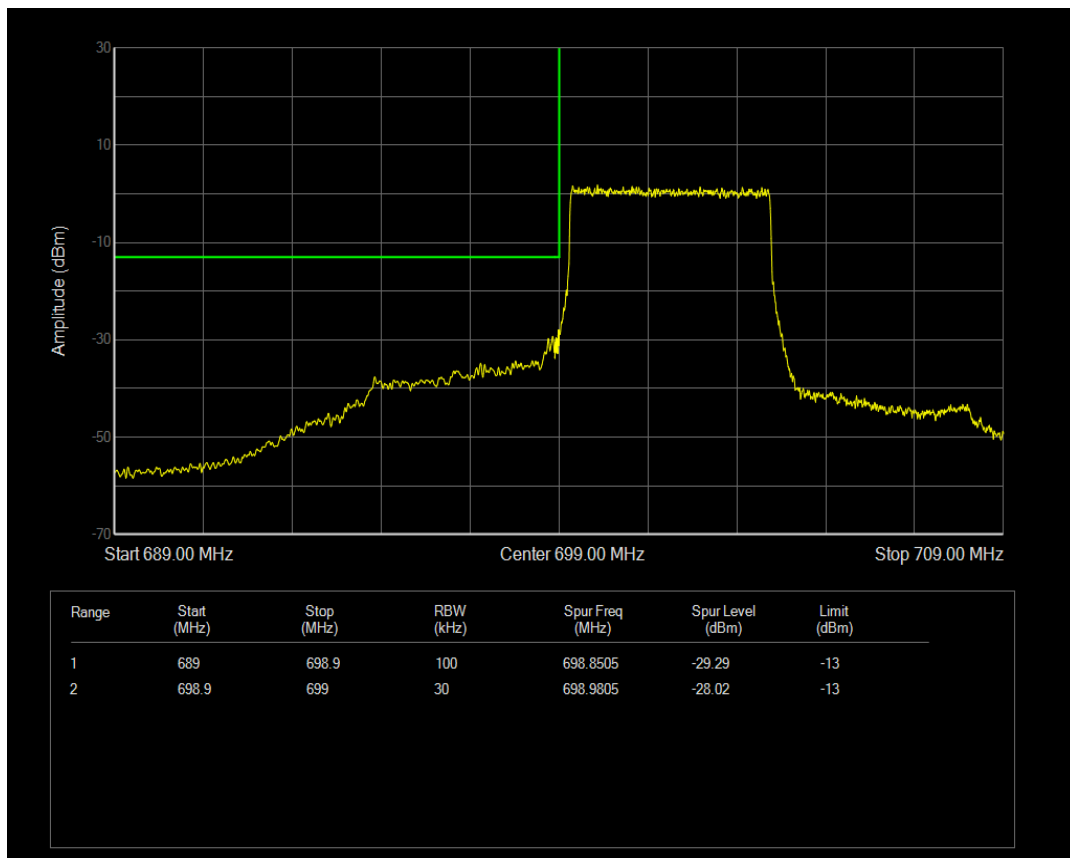
**Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0**

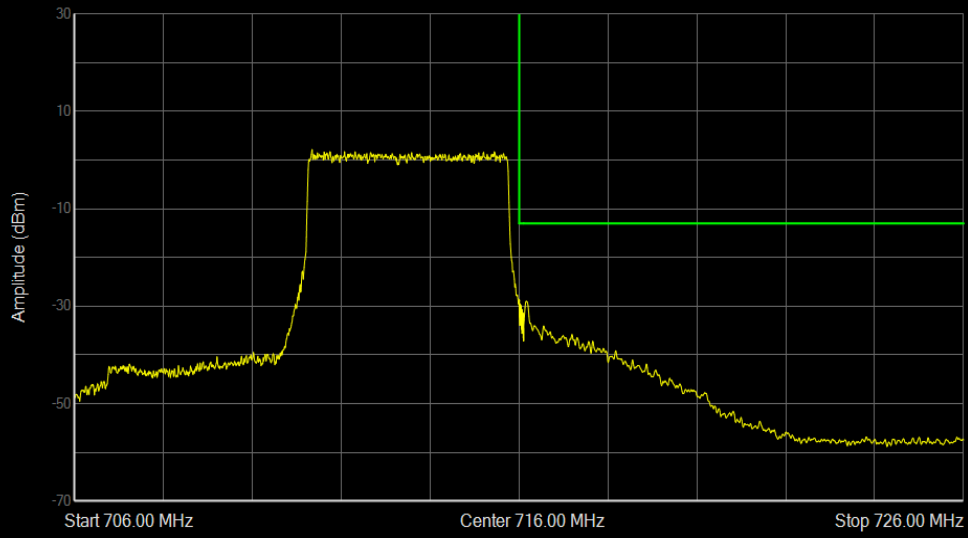
**Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0**

**Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0****Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

**Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0**

**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0**

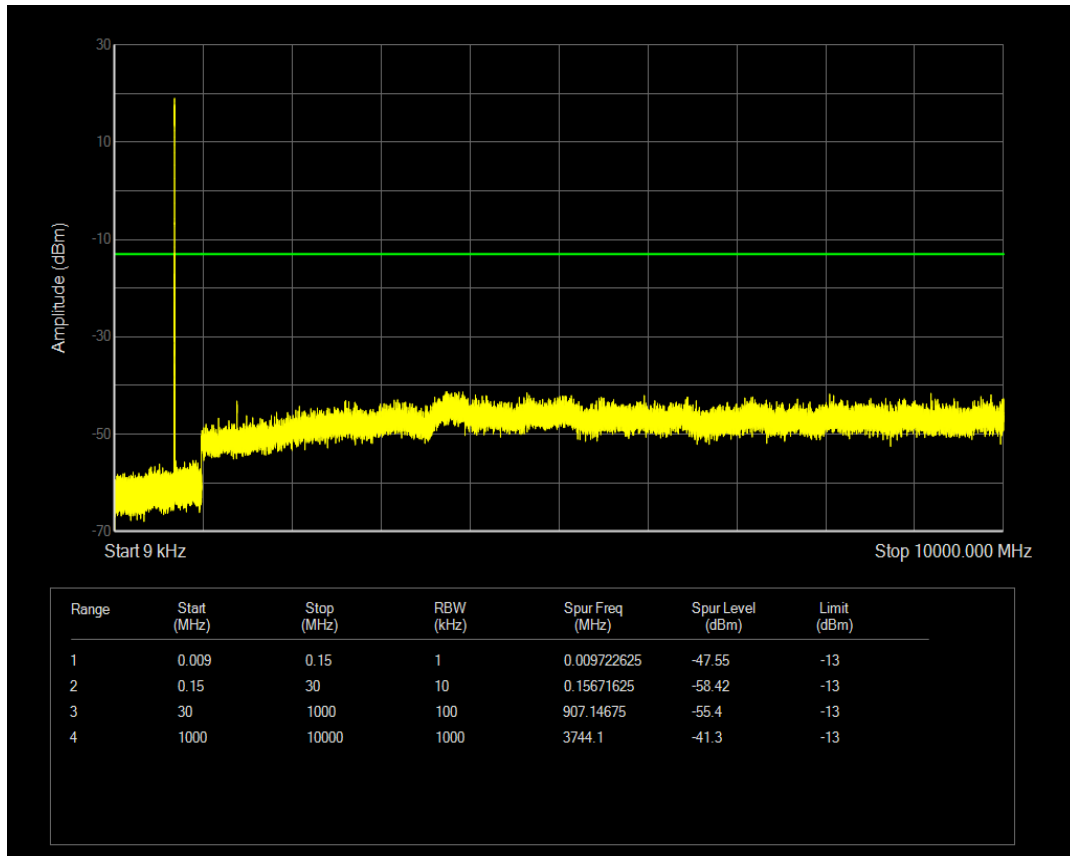


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 716         | 716.1      | 30        | 716.0023        | -28.7            | -13         |
| 2     | 716.1       | 726        | 100       | 716.1594        | -29              | -13         |

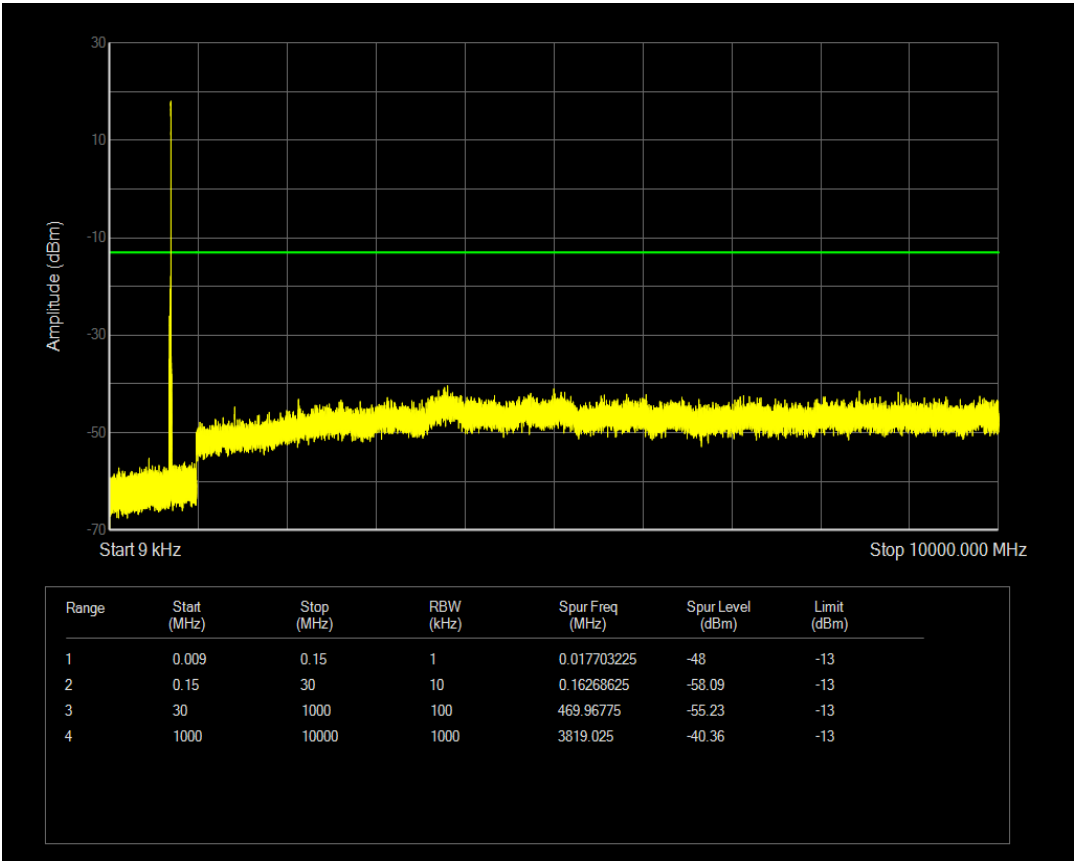
## 6 Out-of-band emissions

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur<br>Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|-----------------------|------------------------|----------------|---------|
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 3824.65               | -40.58                 | -13            | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QAM16      | 3744.10               | -41.30                 | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 3747.03               | -39.97                 | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QAM16      | 3819.03               | -40.36                 | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 3676.38               | -39.72                 | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QAM16      | 3836.58               | -40.42                 | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 3754.68               | -38.70                 | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QAM16      | 3776.73               | -40.51                 | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 3846.93               | -40.54                 | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QAM16      | 9672.85               | -41.26                 | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 3893.50               | -39.57                 | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QAM16      | 3810.70               | -39.42                 | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 3728.80               | -40.48                 | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QAM16      | 3757.38               | -40.43                 | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 3787.98               | -40.60                 | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QAM16      | 4886.88               | -40.69                 | -13            | PASS    |

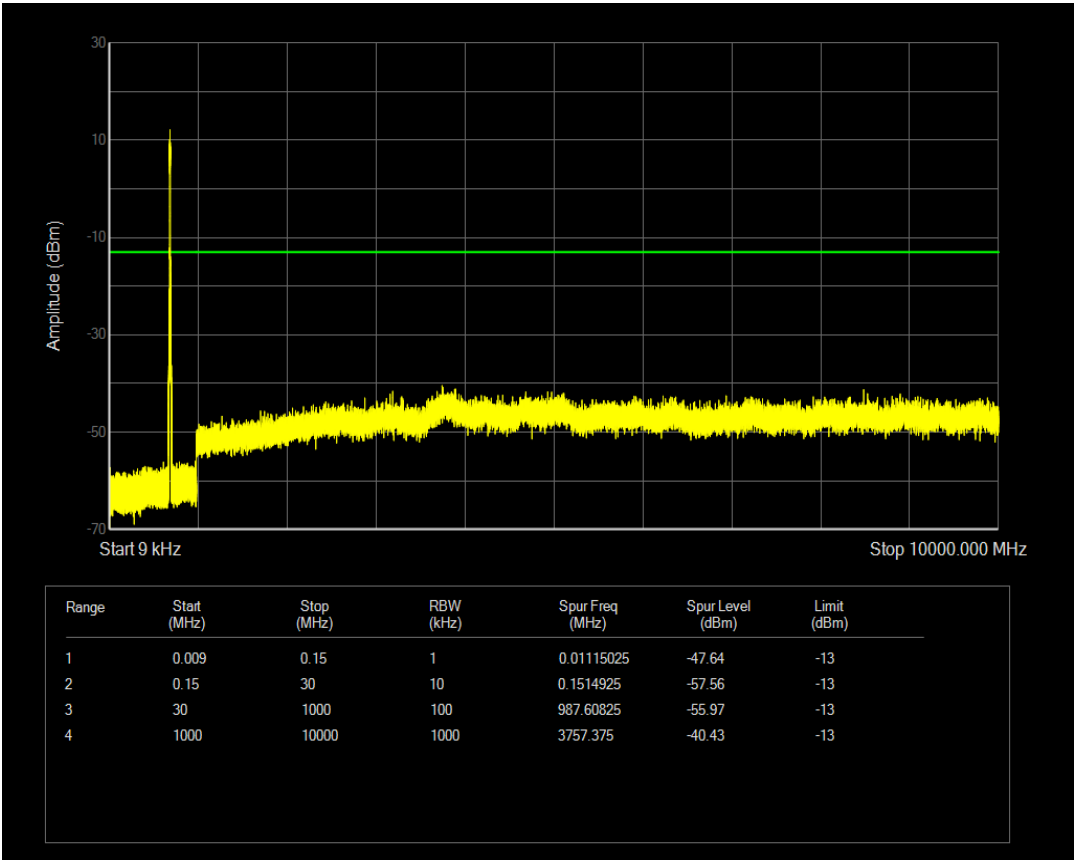
**Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0**



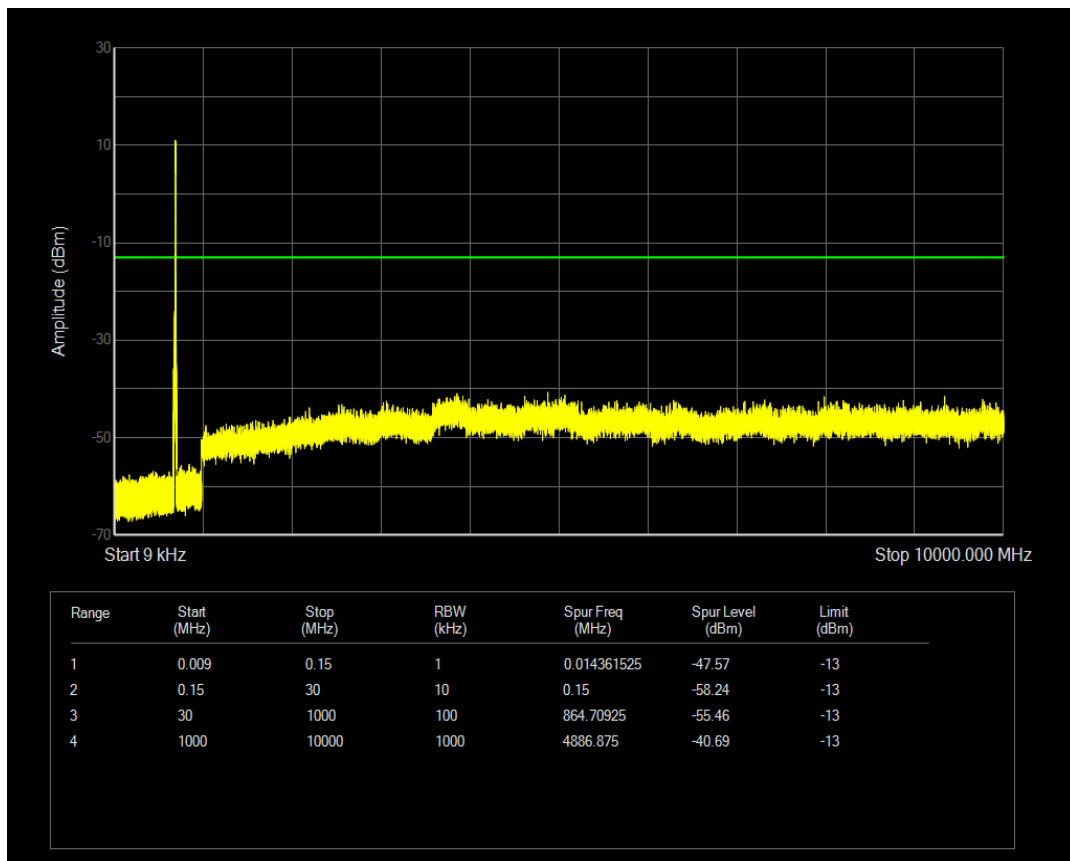
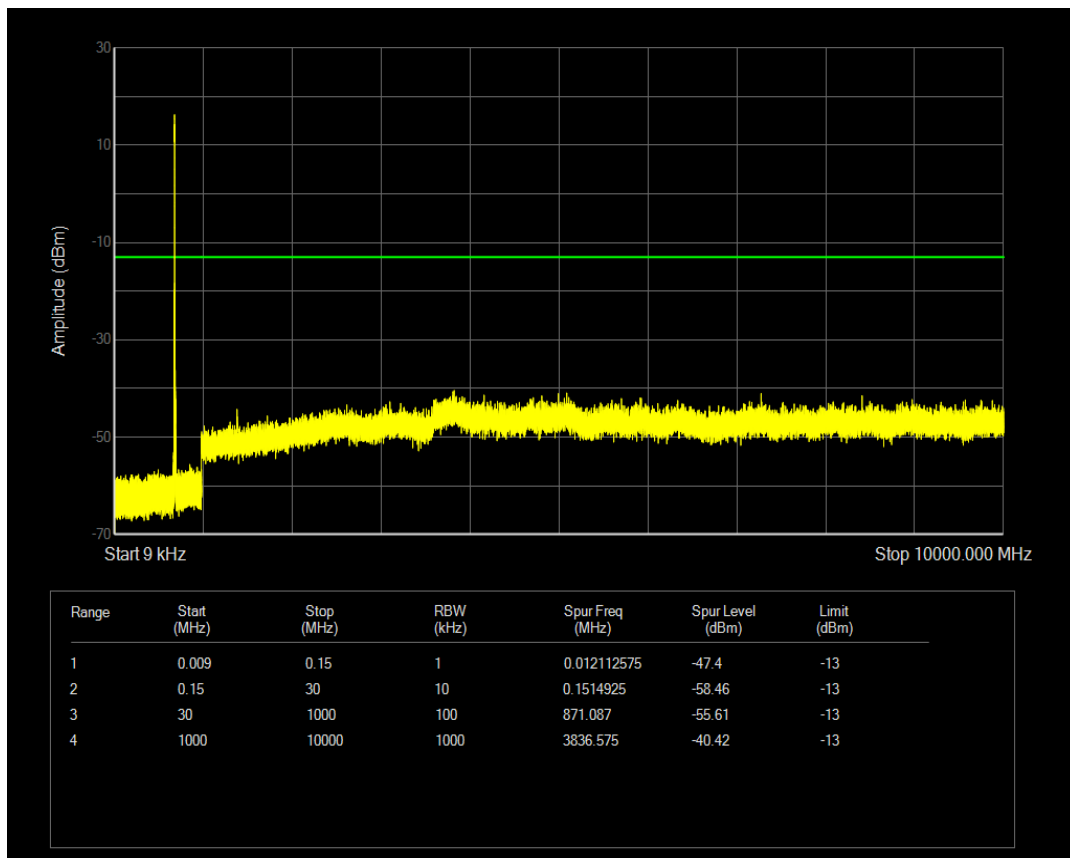
**Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

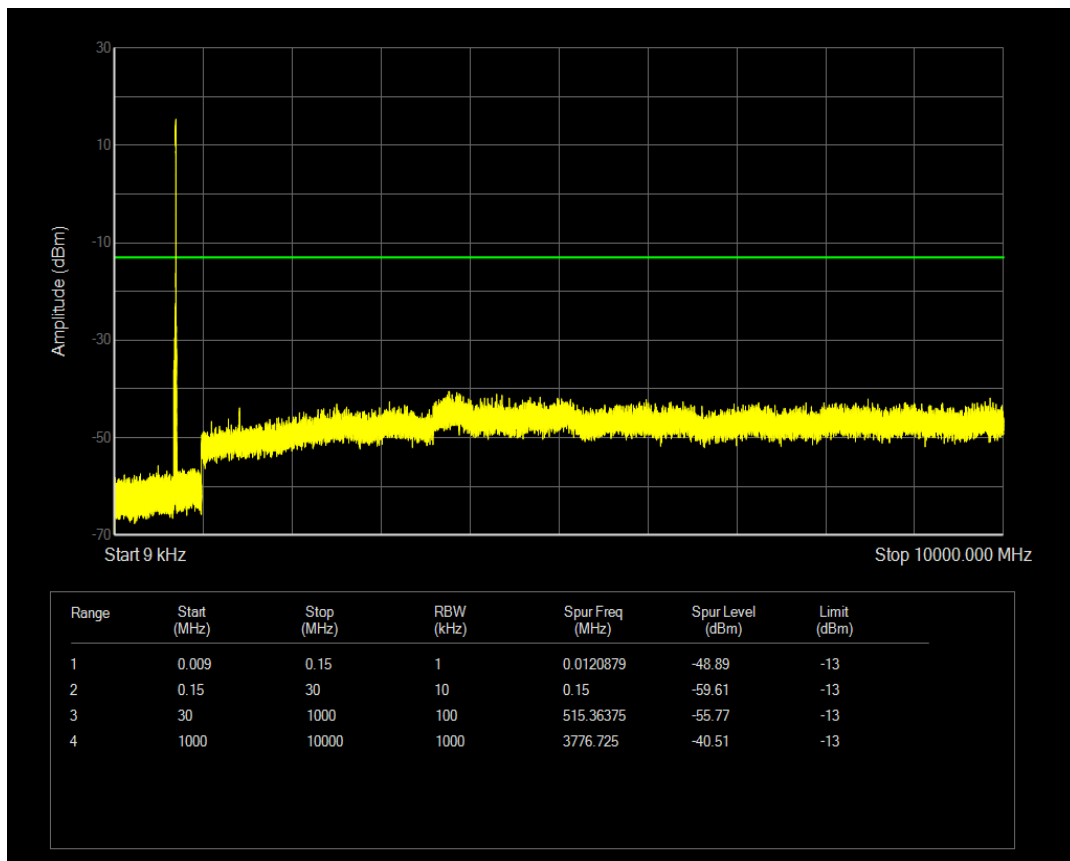
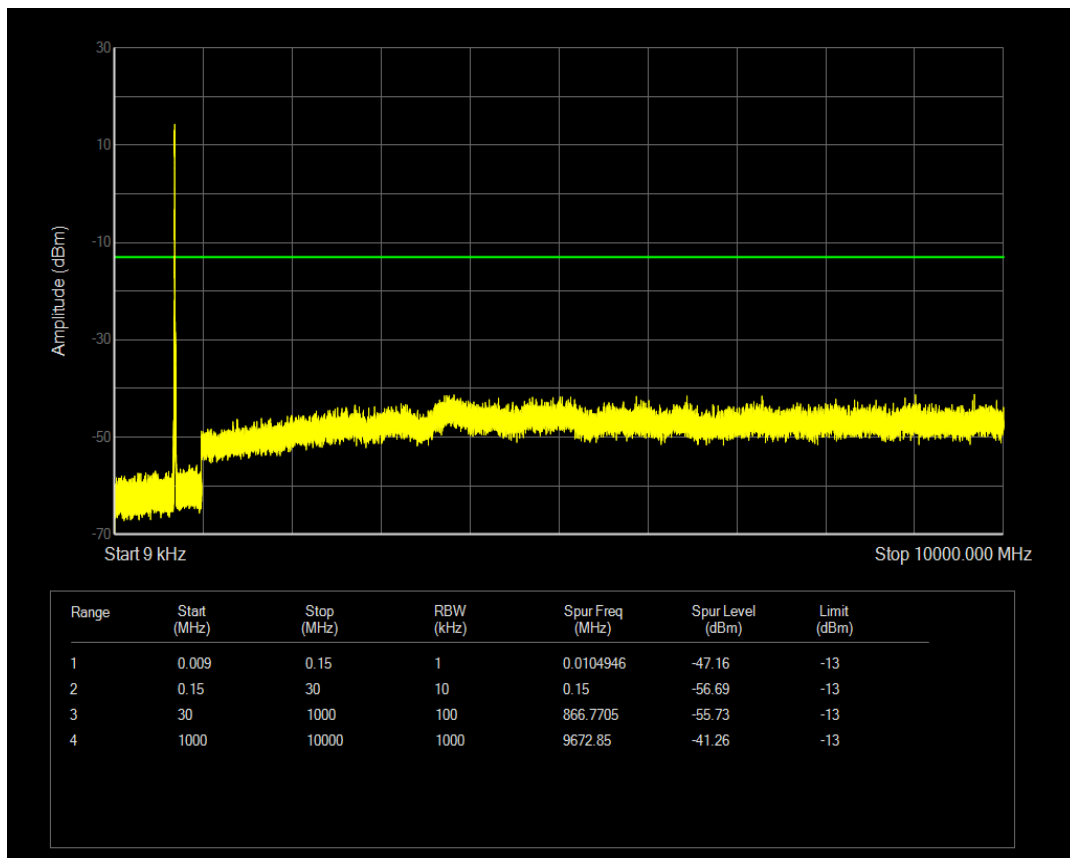


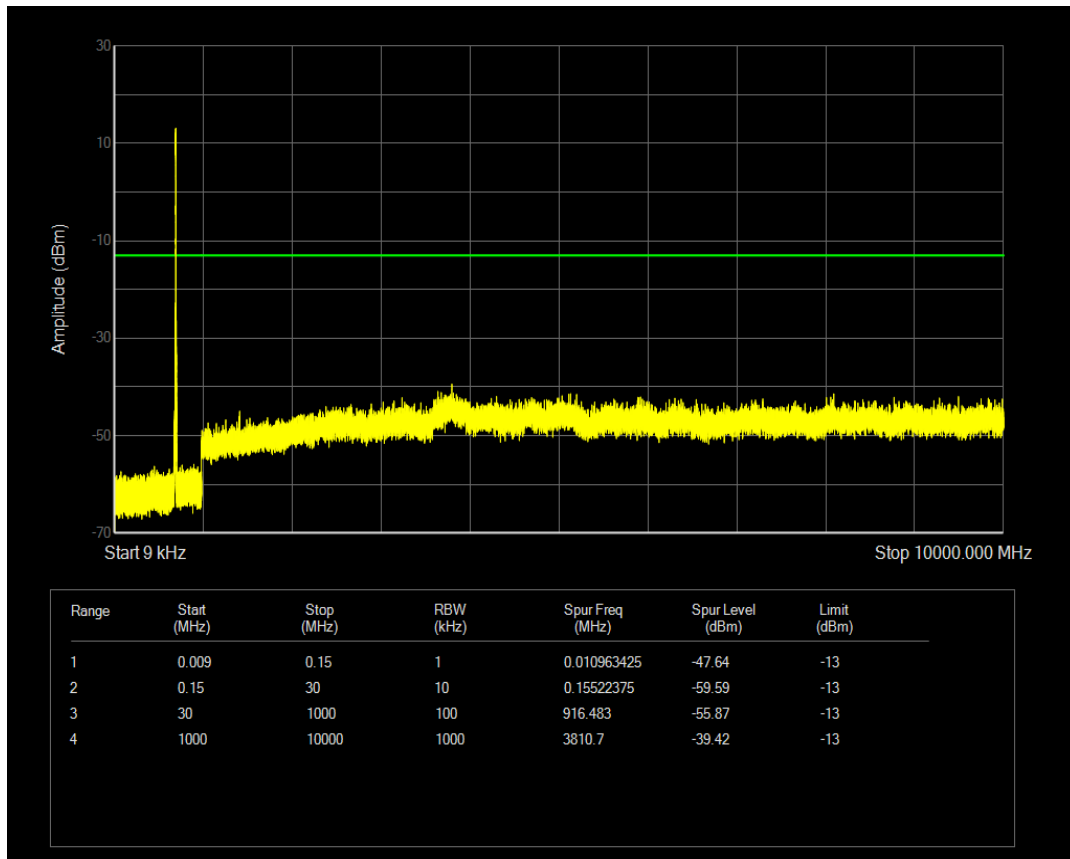
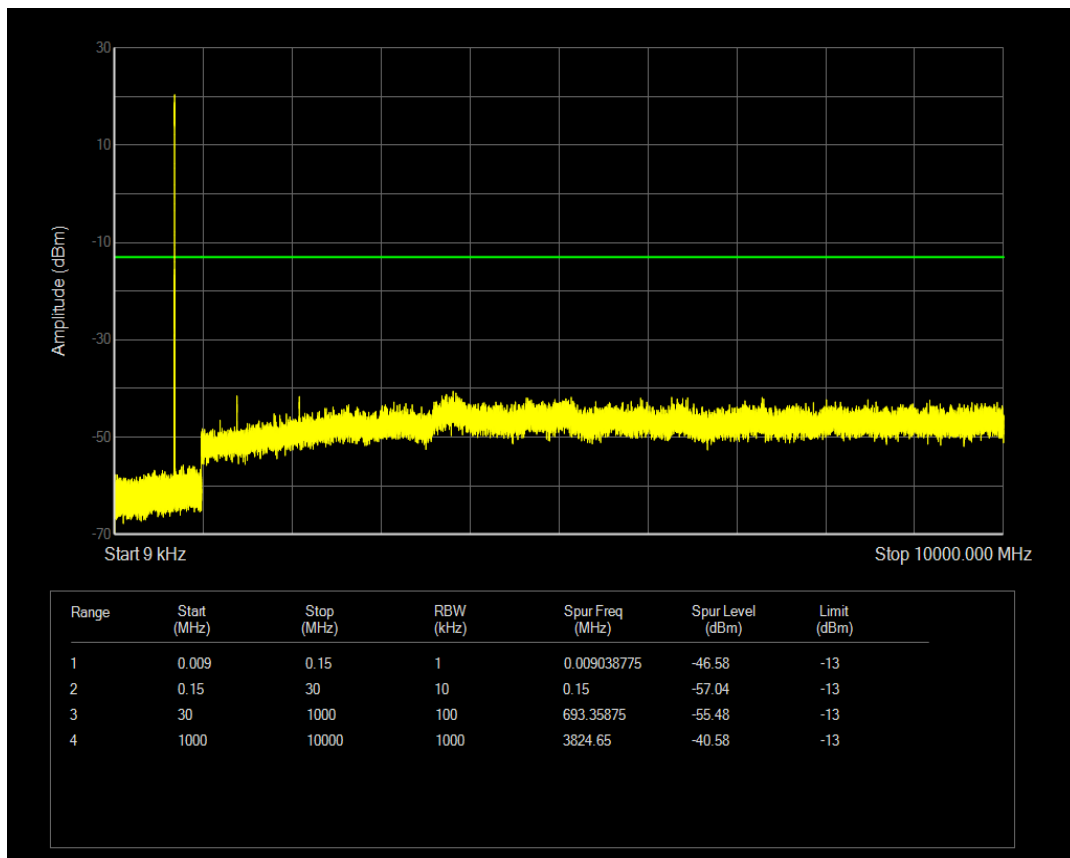
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0

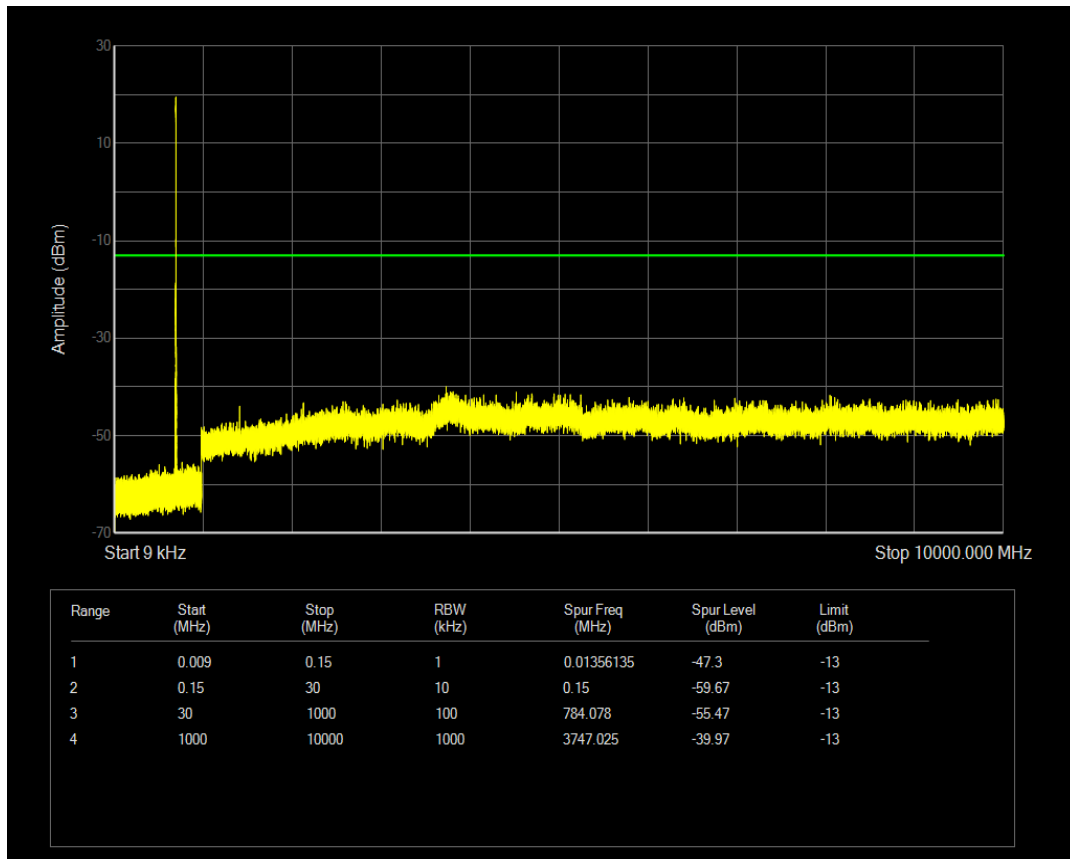
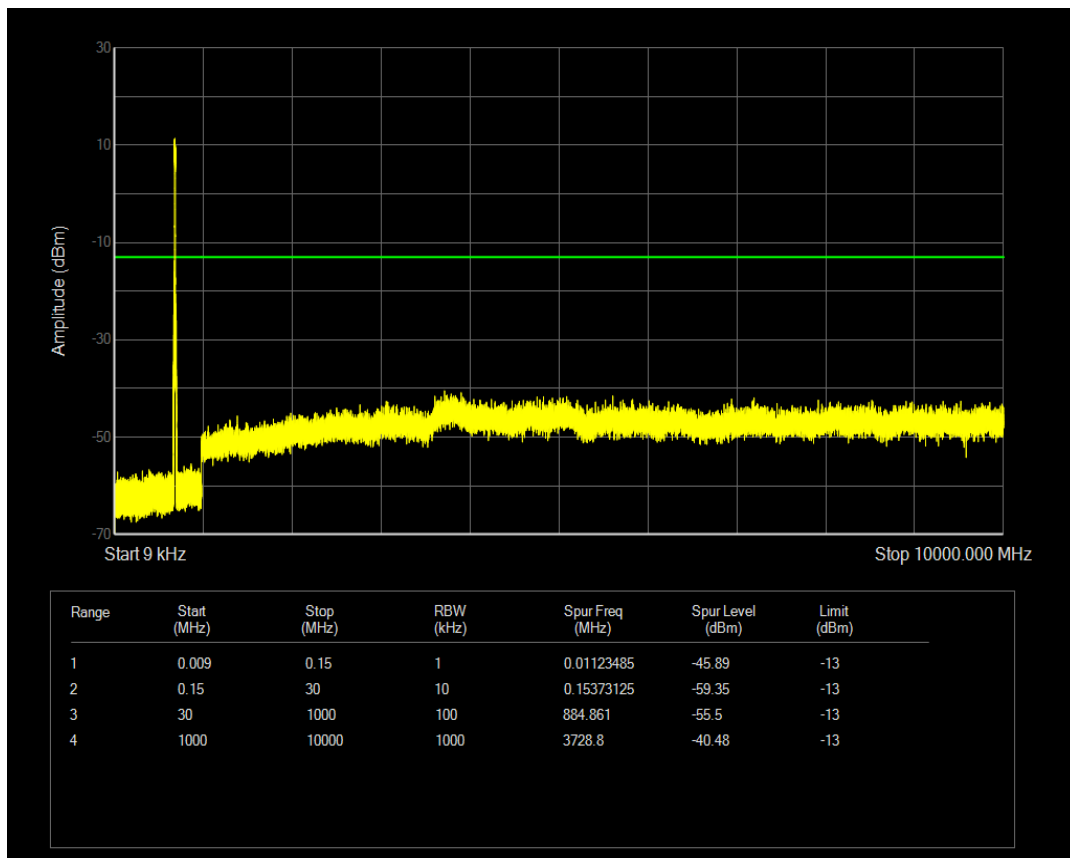


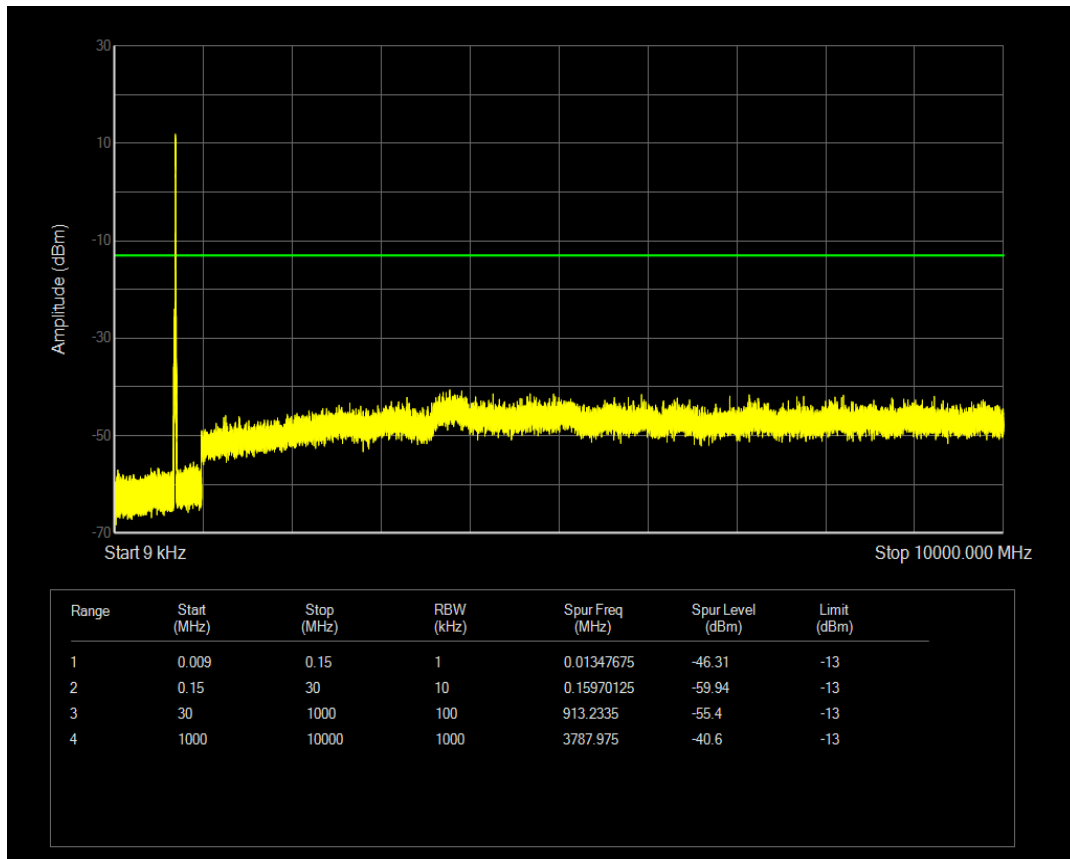
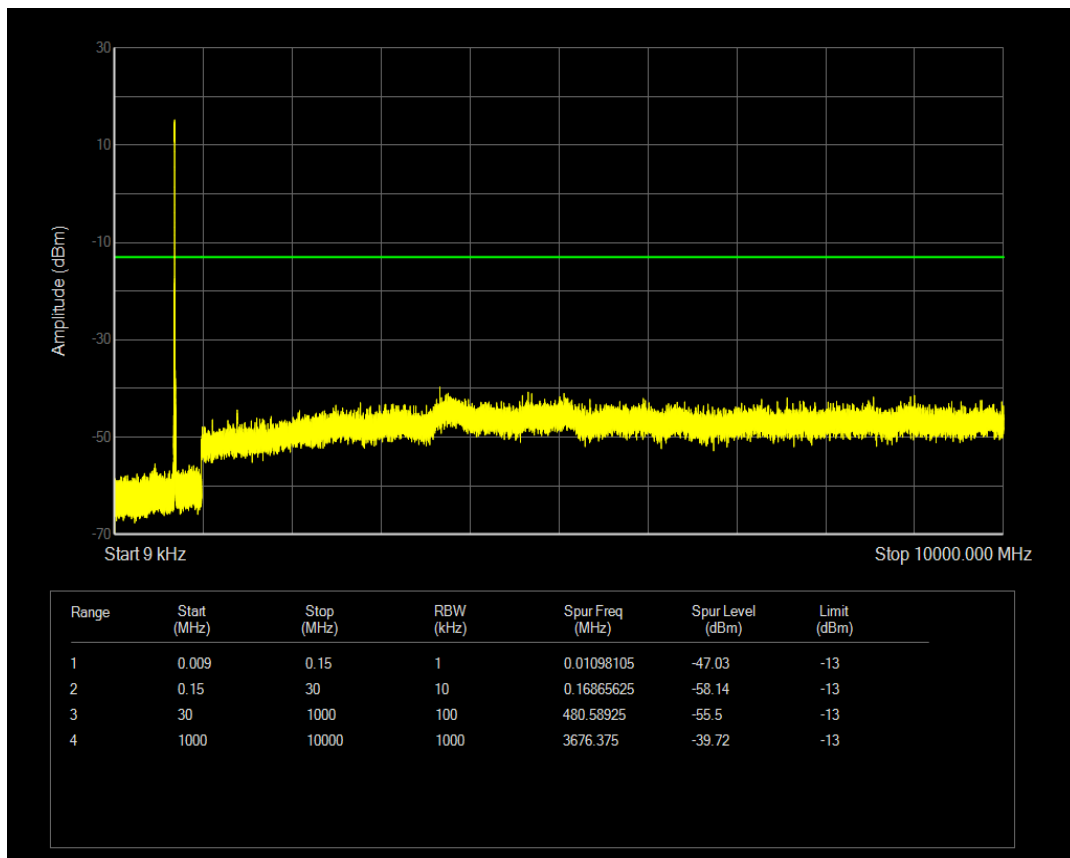
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0

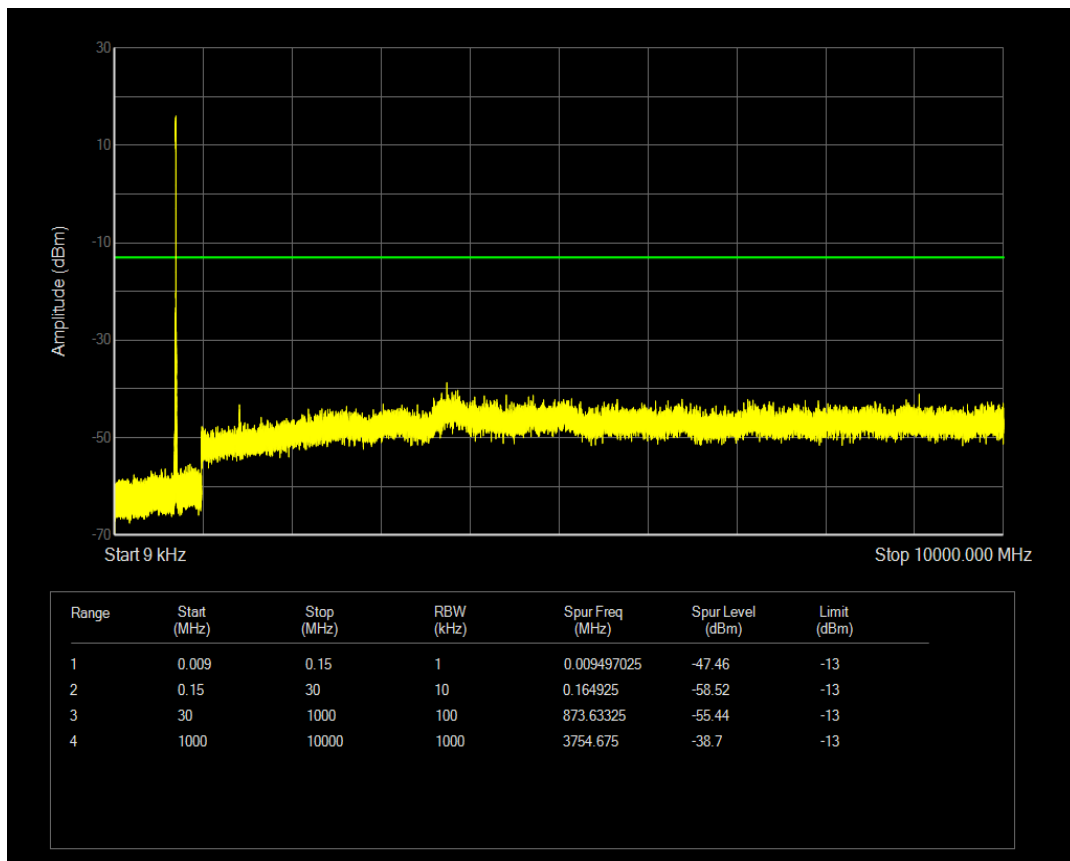
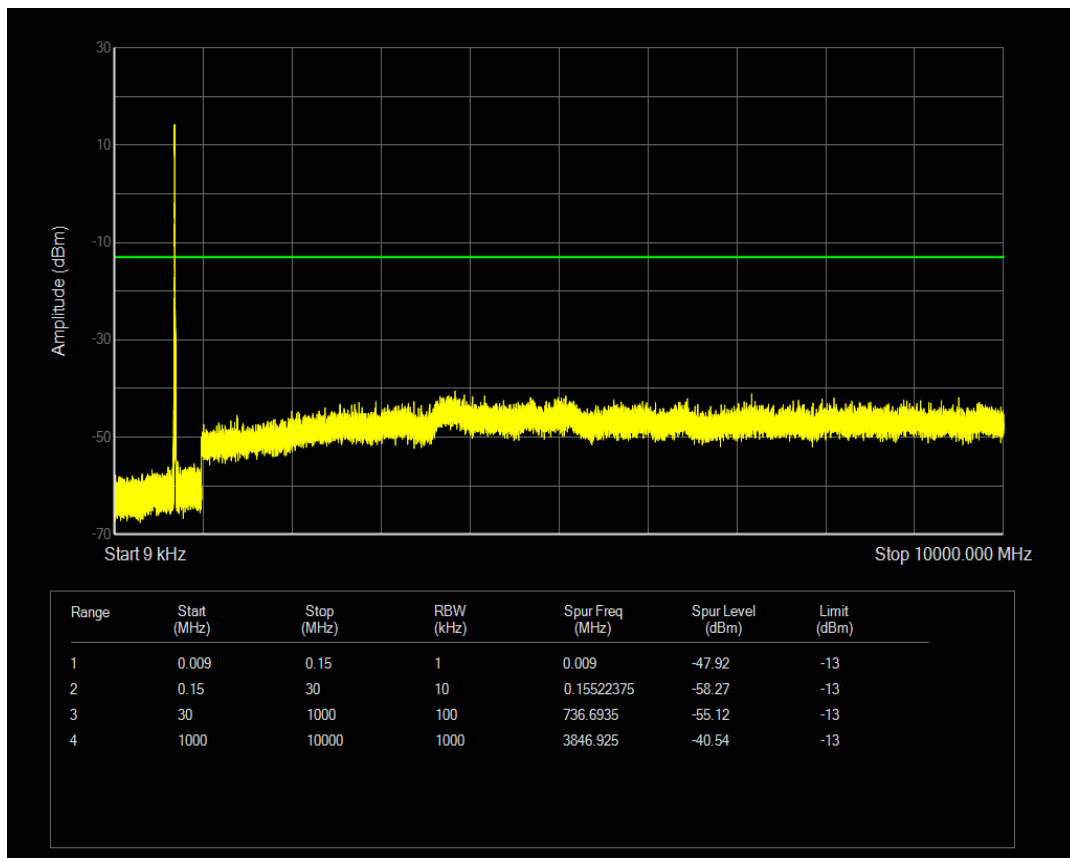
**Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0**

**Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0****Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

**Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0**

**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0**

